

SUMMARY OF BOARD ITEM

ITEM # 00-11-6: PUBLIC HEARING TO CONSIDER AMENDING THE AREA DESIGNATIONS FOR STATE AMBIENT AIR QUALITY STANDARDS

STAFF RECOMMENDATION: The staff recommends that the Air Resources Board (Board) approve the proposed amendments to the area designation regulations with respect to the State ambient air quality standards.

DISCUSSION: State law requires the Board to establish and annually review area designations for California. Areas are designated attainment, nonattainment, nonattainment-transitional, or unclassified with respect to the State ambient air quality standards (State standards). Area designations are based on the air quality data from the most recently available three years. For instance, this year's area designations are based on data collected from 1997-99. Based on air quality data for 1997-99, the staff proposes that Butte, Glenn, and Mono Counties be redesignated from nonattainment-transitional to nonattainment for ozone. These redesignations occur by operation of law based on data for record for the applicable time period.

In addition, State law requires the Board to establish area designation criteria and periodically review the criteria, thereby ensuring their continued relevance. The designation criteria describe the procedures the Board must use in determining an area's designation status with respect to the State standards. The staff is not proposing any changes to the designation criteria this year.

SUMMARY AND IMPACTS: The proposed amendments to the area designations would redesignate three areas from nonattainment-transitional to nonattainment for ozone by operation of law under Health and Safety Code section 40925.5(a). Since nonattainment-transitional is a subcategory of nonattainment, these areas are still subject to the same requirements as nonattainment areas. Nonattainment (and nonattainment-transitional) districts must develop and implement

plans for attaining the State standard for ozone (as well as for carbon monoxide, nitrogen dioxide, and sulfur dioxide). It may be appropriate for a district that reverts back to nonattainment (from nonattainment-transitional) to review, and perhaps modify, its attainment plan. However, it is not anticipated that any new control measures will need to be implemented as a result of this year's proposed amendments from nonattainment-transitional to nonattainment.

TITLE 17. CALIFORNIA AIR RESOURCES BOARD**NOTICE OF PUBLIC HEARING TO CONSIDER AMENDING THE
AREA DESIGNATIONS FOR STATE AMBIENT AIR QUALITY STANDARDS**

The Air Resources Board (ARB or Board) will conduct a public hearing at the time and place noted below to consider amending the regulations designating areas of California as attainment, nonattainment, nonattainment-transitional, or unclassified for all pollutants for which there are State ambient air quality standards.

DATE: November 16, 2000

TIME: 9:30 a.m.

PLACE: California Air Resources Board
Board Hearing Room, Lower Level
2020 L Street
Sacramento, CA 95814

This item will be considered at a two-day meeting of the Board, which will commence at 9:30 a.m., November 16, 2000, and may continue at 8:30 a.m., November 17, 2000. This item may not be considered until November 17, 2000. Please consult the agenda for this meeting, which will be available at least ten days before November 16, 2000, to determine the day on which this item will be considered.

This facility is accessible to persons with disabilities. If accommodation is needed, please contact the ARB's Clerk of the Board at (916) 322-5594, or (800) 700-8326 for Telecommunications Device for the Deaf (TDD) calls from outside the Sacramento area, by November 2, 2000.

INFORMATIVE DIGEST OF PROPOSED ACTION

Section Affected: Proposed amendments to title 17, California Code of Regulations (CCR), section 60201, under section 39608 of the Health and Safety Code (H&SC).

Background: The California Clean Air Act of 1988 (the Act; Stats. 1988, ch. 1568) significantly revised Division 26 of the H&SC. The Act added to the H&SC several requirements concerning district plans and control measures to attain and maintain the State ambient air quality standards (State standards). Section 39607(e) of the H&SC requires the Board to establish and periodically review designation criteria. These criteria provide the basis for designating areas for the State standards cited in CCR, title 17, section 70200. The nine pollutants with State standards for which

designations are made are ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, suspended particulate matter (PM₁₀), sulfates, lead, hydrogen sulfide, and visibility reducing particles. Under H&SC section 39607(e), the Board first established designation criteria at a public hearing in June 1989 (CCR, title 17, sections 70300 through 70306). The Board subsequently amended these criteria in June 1990, May 1992, December 1992, November 1993, November 1995, and September 1998. The criteria specify the data to use, the size of the designated area, and the conditions for determining the appropriate designation category.

Based on the designation criteria, the Board designates areas as attainment, nonattainment, nonattainment-transitional, or unclassified for each of the nine pollutants with State standards set forth in CCR, title 17, section 70200. The nonattainment-transitional designation for ozone is made by operation of law under H&SC section 40925.5(a). Although the nonattainment-transitional designations for ozone are made by operation of law, the Board has adopted guidelines for use in evaluating whether an area satisfies the requirements of H&SC section 40925.5(a). The Board approved the original area designations in June 1989. The H&SC further requires the Board to review the area designations annually and update them as new information becomes available. The area designations comprise CCR, title 17, sections 60200 through 60209.

Staff Proposal: The Board staff proposes to change the area designation for the State ozone standard for three areas, as follows:

Based on air quality data for 1997 through 1999, the staff proposes that Butte, Glenn, and Mono Counties be redesignated from nonattainment-transitional to nonattainment for ozone (CCR, title 17, section 60201). These redesignations occur by operation of law based on data for record for the applicable time period.

The staff is not proposing any changes to the designation criteria this year.

AVAILABILITY OF DOCUMENTS AND AGENCY CONTACT PERSON

The Board staff has prepared a Staff Report: Initial Statement of Reasons (ISOR) for the proposed action and a summary of the potential environmental and economic impacts of the proposal, if any. The ISOR is entitled, "Proposed Area Designations and Maps" (Release Date: September 29, 2000). Copies of the ISOR and the full text of the proposed regulatory language, in underline and strike-out format, may be obtained from the Board's Public Information Office, 2020 L Street, Sacramento, California 95814, (916) 322-2990. The report can also be obtained from our web site at <http://www.arb.ca.gov/regact/areades/area00/area00.htm>.

To obtain these documents in an alternative format, please contact the Air Resources Board Americans with Disabilities Act Coordinator at (916) 323-4916, TDD

(916) 324-9531, or (800) 700-8326 for TDD calls from outside the Sacramento area.

The Board staff has compiled a record that includes all the information upon which the proposal is based. This material is available for inspection upon request to the agency contact person identified below.

Further inquiries regarding this matter should be directed to the agency contact person for this rulemaking, Debora Popejoy, Manager of the Air Quality Analysis Section, Air Quality Data Branch, Planning and Technical Support Division, Air Resources Board, P.O. Box 2815, Sacramento, CA 95812, (916) 323-5123.

COSTS TO PUBLIC AGENCIES AND TO BUSINESSES AND PERSONS AFFECTED

The determinations of the Board's Executive Officer concerning the costs or savings necessarily incurred in reasonable compliance with the proposed amendments are presented below.

The proposed amendments to the area designations by themselves do not contain requirements for action. Subsequent requirements for action may result after additional steps, such as plan preparation and approval, are taken. The area designations are labels that describe the healthfulness of the air quality in each area. Because these regulations by themselves contain no requirements for action, they have no direct economic impact, and the following general determinations are appropriate.

The Executive Officer has determined that adoption of the proposed amendments will not create costs or savings, as defined in Government Code section 11346.5(a)(6), to any State agency or in federal funding to the State, costs or mandate to any local agency or school district whether or not reimbursable by the State under part 7 (commencing with section 17500), division 4, title 2 of the Government Code, or impose other nondiscretionary costs or savings to local agencies.

The Executive Officer also has determined, in accordance with Government Code section 11346.5(a)(8), that adoption of the proposed amendments will not have a significant adverse economic impact on businesses, including the ability of California businesses to compete with businesses in other states. An assessment of the economic impacts of the proposed amendments can be found in the staff report. Finally, the Executive Officer has determined that there will be no, or insignificant, potential cost impact, as defined in Government Code section 11346.5(a)(9), on private persons or businesses directly affected as a result of adopting the proposed amendments.

In accordance with Government Code section 11346.3, the Executive Officer has determined that adoption of the proposed amendments will not affect the creation or elimination of jobs within the State of California, the creation of new businesses or the

elimination of existing businesses within California, or the expansion of businesses currently doing business within California.

Finally, the Executive Officer has also determined, pursuant to Government Code section 11346.5(a)(3)(B), that the proposed regulatory action will not affect small business, because the area designations are labels that describe the healthfulness of the air quality in each area and changes in these designations contain no requirements for action. Therefore, changes in the area designations have no direct detrimental or beneficial economic impact, including impact on small business.

Before taking final action on the proposed amendments to the regulations, the Board must determine that no alternative considered by the agency would be more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposed action.

The proposed amendments to the area designations will not have any direct adverse economic impacts because they do not, by themselves, require any regulatory action. The area designations are labels which define the healthfulness of air quality in each area of the State. The proposed amendments would redesignate three areas as nonattainment (from nonattainment-transitional) for the State ozone standard. Redesignating an area as nonattainment may result in the districts implementing control measures previously put on hold because of the prior nonattainment-transitional designation. Therefore, adopting the proposed redesignations ultimately may indirectly benefit public health and welfare. Any potentially adverse impacts on public health and welfare that are identified with respect to specific plans and control measures would be included in the development and consideration of such plans and control measures.

SUBMITTAL OF COMMENTS

The public may present comments relating to this matter orally or in writing at the hearing, and in writing or by e-mail before the hearing. To be considered by the ARB, written submissions must be addressed to and received by the Clerk of the Board, Air Resources Board, P.O. Box 2815, Sacramento, California 95812, or 2020 L Street, 4th Floor, Sacramento, California 95814, no later than 12:00 noon November 15, 2000, or received by the Clerk of the Board at the hearing. To be considered by the ARB, e-mail submissions must be addressed to area00@listserv.arb.ca.gov and received at the ARB no later than 12:00 noon, November 15, 2000.

The ARB requests, but does not require, 30 copies of any written submission. Also, the ARB requests that written and e-mail statements be filed at least ten days prior to the hearing so that ARB staff and Board Members have time to fully consider each comment. The ARB encourages members of the public to bring any

suggestions for modification of the proposed regulatory action to the attention of staff in advance of the hearing.

STATUTORY AUTHORITY AND REFERENCES

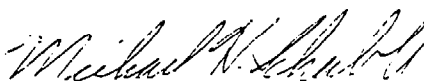
This regulatory action is proposed under that authority granted in sections 39600, 39601, and 39608 of the H&SC. The amendments to the regulations are proposed to implement, interpret, and make specific sections 39608 and 40925.5 of the H&SC.

HEARING PROCEDURES

The public hearing will be conducted in accordance with the California Administrative Procedure Act, title 2, division 3, part 1, chapter 3.5 (commencing with section 11340) of the Government Code.

Following the public hearing, the Board may adopt the regulatory language as originally proposed, or with nonsubstantial or grammatical modifications. The Board may also adopt the proposed regulatory language with other modifications if the text as modified is sufficiently related to the originally proposed text that the public was adequately placed on notice that the regulatory language as modified could result from the proposed regulatory action; in such event the full regulatory text, with the modifications clearly indicated, will be made available to the public, for written comment, at least 15 days before it is adopted. The public may request a copy of the modified regulatory text from the Board's Public Information Office, 2020 "L" Street, Sacramento, CA 95814, (916) 322-2990.

CALIFORNIA AIR RESOURCES BOARD



for **MICHAEL P. KENNY**
EXECUTIVE OFFICER

Date: September 19, 2000

**PROPOSED
AREA DESIGNATIONS AND MAPS**

**STAFF REPORT:
INITIAL STATEMENT OF REASONS FOR PROPOSED RULEMAKING**

**To be considered by the
California Air Resources Board
November 16, 2000
Sacramento, California**

Report Release Date: September 29, 2000

**California Environmental Protection Agency
Air Resources Board
Planning and Technical Support Division
P. O. Box 2815
Sacramento, California 95812**

**This document has been reviewed and approved by the staff of the
California Environmental Protection Agency, Air Resources Board.
Approval does not signify that the contents necessarily reflect
the views and policies of the California Air Resources Board.**

**To obtain this document in an alternative format, please contact the Air Resources Board
ADA Coordinator at (916) 322-4505, TDD (916) 324-9531, or
(800) 700-8326 for TDD calls from outside the Sacramento area.**

ACKNOWLEDGMENTS

This document was prepared by the staff of the
Air Quality Analysis Section, Planning and Technical Support Division

Principal Author

Jeff Wright

Contributing Staff

Planning & Technical Support Division: Office of Legal Affairs:

Cynthia Garcia
Roy Moore

Judith G. Tracy

Reviewed and Approved by:

Debora Popejoy, Manager, Air Quality Analysis Section
Robert D. Fletcher, Chief, Planning and Technical Support Division

TABLE OF CONTENTS

EXECUTIVE SUMMARY

A. Background	1
B. Proposed Amendments	1
C. Impacts of Proposed Amendments	3

CHAPTER I BACKGROUND

A. Introduction	5
B. Legal Requirements	5
C. Summary of the Designation Criteria	6
1. General Provisions	6
2. Data to Use.....	6
3. Size of Designated Areas	6
4. Highly Irregular or Infrequent Events	7
5. Designation Categories	8
D. Implications of the Area Designations	9
1. Areas Redesignated as Nonattainment	9
2. Areas Redesignated as Nonattainment-Transitional	10
3. Areas Redesignated as Attainment or Unclassified	11
E. Public Notification on the Area Designation Review Process	11

CHAPTER II PROPOSED AMENDMENTS TO THE AREA DESIGNATIONS

A. Introduction	13
B. Proposed Area Redesignations for Ozone	14
1. Butte County	15
2. Glenn County	15
3. Mono County	16
C. Areas Not Recommended for Redesignation	16
1. Colusa County for Ozone	17
2. Inyo County for Ozone	17
3. Los Angeles County (Mohave Desert Air Basin portion) for Ozone	18
4. North Central Coast Air Basin for Ozone	18
5. San Luis Obispo County for Ozone.....	19
6. Santa Barbara County for Ozone	19

TABLE OF CONTENTS

(Continued)

7.	El Dorado County (Mountain Counties Air Basin portion) for PM ₁₀	20
8.	City of Calexico for Nitrogen Dioxide	21
9.	Riverside County (South Coast Air Basin portion) for Nitrogen Dioxide	21
10.	Inyo County for Hydrogen Sulfide	22
11.	Los Angeles County (South Coast Air Basin portion) for Sulfates	22
12.	San Diego Air Basin for Sulfates	23
D.	Staff Recommendation	23

CHAPTER III

ALTERNATIVES TO THE PROPOSED AMENDMENTS	25
---	----

CHAPTER IV

IMPACTS OF THE PROPOSED AMENDMENTS

A.	Public Health and Welfare Impacts	27
B.	Economic Impacts	27

CHAPTER V

DOCUMENTS RELIED UPON	29
-----------------------------	----

ATTACHMENTS

A.	Relevant Sections of the Health and Safety Code	A-1
B.	Text of the Designation Criteria	B-1
C.	Maps and Tables of the Area Designations for State and National Ambient Air Quality Standards	C-1
D.	Text of the Proposed Amendments to the Area Designations	D-1
E.	Designation Values and Expected Peak Day Concentrations	E-1
F.	Notices	F-1

EXECUTIVE SUMMARY

A. BACKGROUND

State law (refer to Attachment A) requires the Air Resources Board (ARB or Board) to establish and annually review area designations for California. Areas are designated attainment, nonattainment, nonattainment-transitional, or unclassified with respect to the State ambient air quality standards (State standards). Area designations are based on the air quality data from the most recently available three years. For instance, this year's area designations are based on data collected from 1997-99.

In addition, State law (Attachment A) requires the Board to establish area designation criteria and periodically review the criteria, thereby ensuring their continued relevance. The designation criteria (Attachment B) describe the procedures the Board must use in determining an area's designation status with respect to the State standards. In summary, the designation criteria specify:

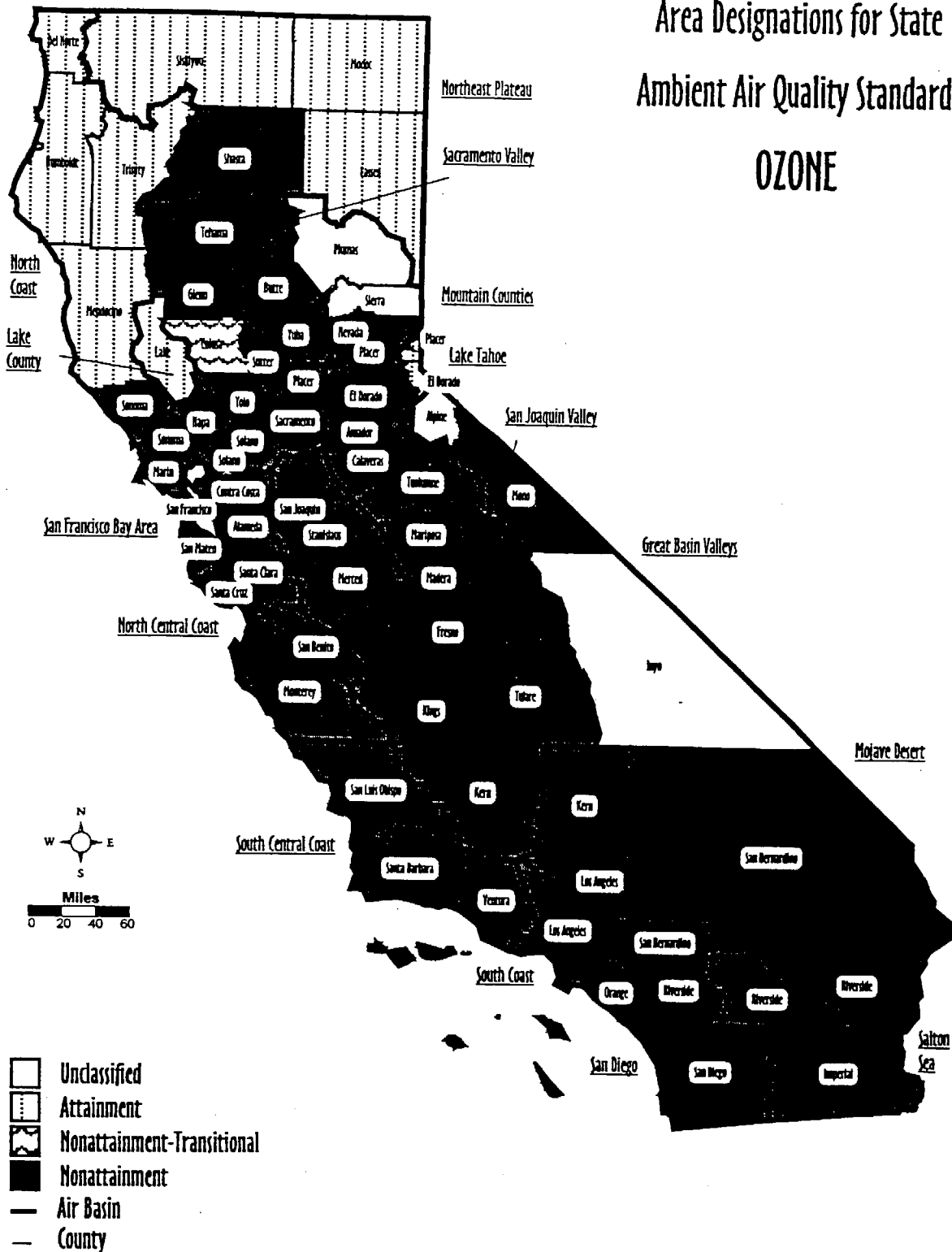
- The data the Board will use for making the area designations;
- How the Board will determine the size of designated areas;
- How the Board will determine whether an area qualifies as attainment, nonattainment, nonattainment-transitional, or unclassified; and
- The requirement for an annual review of the area designations by the Board's Executive Officer.

State law also requires the Board to annually publish maps illustrating area designations for both the State and National Ambient Air Quality Standards. The maps and tables, as provided in Attachment C, reflect the area designations for the State standards as proposed in Chapter II of this staff report and the area designations for the national standards as currently in effect. The map of the area designations for the State ozone standard is also shown on the following page. (Further information regarding the area designations for the national standards may be obtained by contacting the United States Environmental Protection Agency, or visiting its web site at <http://www.epa.gov/airprog/oar/oaqps/greenbk>.)

B. PROPOSED AMENDMENTS

Based on the review of data from 1997-99, the staff is proposing three amendments to the area designations. The proposed amendments to the area designations would redesignate Butte, Glenn, and Mono Counties from nonattainment-

Area Designations for State Ambient Air Quality Standards OZONE



transitional to nonattainment for ozone by operation of law. The staff is not proposing any changes to the designation criteria this year. The text of the amendments to the area designations is shown in Attachment D. The air quality data used for making the designations are summarized in Attachment E. Finally, the notices distributed by the staff regarding the proposed amendments are shown in Attachment F.

C. IMPACTS OF PROPOSED AMENDMENTS

The proposed amendments to the area designations would redesignate three areas from nonattainment-transitional to nonattainment for ozone. Since nonattainment-transitional is a subcategory of nonattainment, these areas are still subject to the same requirements as nonattainment areas. Nonattainment (and nonattainment-transitional) districts must develop and implement plans for attaining the State standard for ozone (as well as for carbon monoxide, nitrogen dioxide, and sulfur dioxide). It may be appropriate for a district that reverts back to nonattainment (from nonattainment-transitional) to review, and perhaps modify, its attainment plan. However, it is not anticipated that any new control measures will need to be implemented as a result of this year's proposed amendments from nonattainment-transitional to nonattainment.

[This page intentionally left blank]

CHAPTER I

BACKGROUND

A. INTRODUCTION

This chapter gives some background information on the criteria used in making the area designations and on the area designations themselves. The following sections describe the legal requirements, the criteria used in making the area designations, the implications of being redesignated, and the area designation review process.

B. LEGAL REQUIREMENTS

Health & Safety Code (H&SC) section 39607(e) requires the Air Resources Board (ARB or Board) to establish and periodically review the criteria for designating areas as attainment or nonattainment for the State standards (see Attachment A). The Board originally adopted the required designation criteria in June 1989. The Board subsequently amended the designation criteria in June 1990, May 1992, December 1992, November 1993, November 1995, and September 1998.

H&SC section 39608 requires the Board to use the designation criteria in designating areas of California as attainment, nonattainment, nonattainment-transitional, or unclassified for the State standards (see Attachment A). Areas that cannot be designated as attainment or nonattainment are designated as unclassified. The area designations are made on a pollutant-by-pollutant basis for all pollutants listed in the California Code of Regulations (CCR), title 17, section 70200. The nine affected pollutants are ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, suspended particulate matter (PM₁₀), sulfates, lead, hydrogen sulfide, and visibility reducing particles. H&SC section 39608 also requires the Board to review the area designations each year and update them as new information becomes available.

In addition, H&SC section 40718 requires the Board to publish maps showing the areas with one or more measured violations of any State or national ambient air quality standard (see Attachment A). The maps and summary tables provided in Attachment C of this staff report fulfill this requirement. The maps and tables for the State standards reflect the proposed amendments to the area designations as described in Chapter II of this staff report. The maps and tables for the national standards reflect the current federal area designations, as promulgated by the United States Environmental Protection Agency (U. S. EPA) (40 CFR 81.305, as last amended at 65 Fed. Reg. 45,182 (July 20, 2000)).

C. SUMMARY OF THE DESIGNATION CRITERIA

1. General Provisions

The designation criteria describe the procedures the Board must use in determining an area's designation status with respect to the State standards. The text of the designation criteria is shown in Attachment B. In summary, the designation criteria specify:

- The data the Board will use for making the area designations;
- How the Board will determine the size of designated areas;
- How the Board will determine whether an area qualifies as attainment, nonattainment, nonattainment-transitional, or unclassified; and
- The requirement for an annual review of the area designations by the Board's Executive Officer.

2. Data to Use

To the extent possible, the Board makes area designations for each pollutant based on recent ambient air quality data. The air quality data must be **data for record**, which are those air quality data that satisfy specific siting and quality assurance procedures established by the U.S. EPA and adopted by the Board. Generally, data for record are those data collected by or under the direction of the Board or the air pollution control districts or air quality management districts (districts). Data from other sources may also be used as long the same requirements are met. When adequate and recent air quality data are not available, the Board may use other types of information to determine an appropriate area designation. These other types of information may include historical air quality data, emission data, meteorological data, topographical data, and data relating to the characteristics of population or emissions.

3. Size of Designated Areas

The size of the area designated for a pollutant may vary depending on the nature of the pollutant, the location of contributing emission sources, the meteorology, and the topographic features. Normally, an air basin is the area designated for ozone, nitrogen dioxide, PM₁₀, sulfates, and visibility reducing particles. A county (or the portion of a county located within an air basin) is normally the area designated for carbon monoxide, sulfur dioxide, lead, and hydrogen sulfide. In both cases, however, the Board may designate a smaller area if the Board finds that the smaller area has

distinctly different air quality. This finding is based on a review of the air quality data, meteorology, topography, and the distribution of population and emissions. Sources with emissions that contribute to a violation must be included within the smaller area. To the extent practicable, the Board uses political boundary lines to define a smaller designated area.

4. Highly Irregular or Infrequent Events

While area designations for State standards are based on ambient air quality data, the designation criteria provide for excluding certain high values. In particular, the designation criteria provide for excluding exceedances affected by "highly irregular or infrequent events" because it is not reasonable to mitigate these exceedances through the regulatory process. Appendix 2 to the designation criteria (refer to Attachment B) defines three types of highly irregular or infrequent events:

- Extreme concentration events;
- Exceptional events; and
- Unusual concentration events.

An **extreme concentration event** is identified by a statistical procedure that calculates the concentration that is not expected to occur more frequently than once per year. This value is commonly referred to as the Expected Peak Day Concentration (EPDC). Adverse meteorology is one potential cause of an extreme concentration event. Measured concentrations that are higher than the EPDC are identified as extreme concentrations and are not considered as violations of the State standard. A specific, identifiable cause is not necessary for an exceedance to be determined as an extreme concentration.

A pollutant-specific EPDC is calculated for each monitoring site using air quality data measured at the site during a three-year period. The site-specific EPDCs for ozone, carbon monoxide, nitrogen dioxide, PM₁₀, and hydrogen sulfide are listed in Attachment E. These EPDCs are based on air quality data for 1997 through 1999. This is the most recent three-year period for which data are available and is the same three-year period used in reviewing the area designations described in this staff report. The data for sulfur dioxide, sulfates, lead, and visibility reducing particles are not presented in Attachment E because there were no violations of the relevant State standards or the data are insufficient for determining the appropriate EPDCs. Complete data for all pollutants except visibility reducing particles will be available at a later date in electronic format (See page E-1 for information regarding the availability of complete data for these pollutants.)

An **exceptional event** is a specific, identifiable event that causes an exceedance of a State standard but is beyond reasonable regulatory control. An exceptional event may be caused by an act of nature (for example, a forest fire or a severe wind storm) or it may be of human origin (for example, a chemical spill or industrial accident).

An **unusual concentration event** is an anomalous exceedance of a State standard that cannot be identified as an extreme concentration event or an exceptional event. Unusual concentration events can be identified only for areas designated as attainment or unclassified at the time of the exceedance. In identifying such events, the Executive Officer must make specific findings based on relevant information (refer to Appendix 2 to the designation criteria in Attachment B). An area may retain its attainment or unclassified designation based on the exclusion of one or more exceedances affected by an unusual concentration event for up to three consecutive years. If an exceedance occurs during the fourth year, the area is redesignated as nonattainment, unless the exceedance can be excluded as an extreme concentration event or an exceptional event.

5. Designation Categories

The designation criteria specify four designation categories: nonattainment, nonattainment-transitional, attainment, and unclassified. The Board will designate an area as **nonattainment** for a pollutant if air quality data show that a State standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a State standard and are not used as a basis for designating an area as nonattainment.

The **nonattainment-transitional** designation is a subcategory of nonattainment. The Board will designate an area as nonattainment-transitional for a pollutant other than ozone if air quality data show that a State standard for that pollutant was violated two or fewer times at each of the sites in the area during the latest calendar year. In addition, an evaluation of recent air quality data trends and meteorological and emission data must show that the air quality in the area either has stabilized or has improved. Finally, each site in the area must be expected to reach attainment for the pollutant within three years.

The nonattainment-transitional subcategory also can apply to designations for ozone. Under H&SC section 40925.5(a), the ozone nonattainment-transitional designation is made **by operation of law** (refer to Attachment A). Specifically, a nonattainment district or a portion of a district within an air basin is designated as nonattainment-transitional for ozone by operation of law if air quality data show that the State ozone standard was exceeded three or fewer times at each of the sites in the

district or in an area that is a portion of a district within an air basin during the most recent calendar year for which air quality data are available. In determining the nonattainment-transitional designation for ozone, all exceedances are counted, regardless of whether any exceedance was identified as being affected by a highly irregular or infrequent event. Although the nonattainment-transitional designations for ozone are made by operation of law, the Board has adopted guidelines for use in evaluating whether an area satisfies the requirements of H&SC section 40925.5(a). These guidelines are specified in CCR, title 17, section 70303.5 of the designation criteria (refer to Attachment B).

In 1998, the Board approved an amendment to the designation criteria to provide for a review of data for the current calendar year. Since the nonattainment-transitional designation is based on only one year of data, it can be unstable due to year-to-year changes in meteorology. To provide more stability to the nonattainment-transitional designations, the amendment added a provision for reviewing data collected during the current calendar year. If data for the current year show more than three exceedances at any monitoring location in the area, thereby ensuring that the area would not qualify as nonattainment-transitional during the next annual review, the staff would propose that the area be designated nonattainment.

In contrast to nonattainment and nonattainment-transitional, the Board will designate an area as **attainment** for a pollutant if the data show that the State standard for that pollutant was not violated during the previous three calendar years. Again, exceedances affected by highly irregular or infrequent events are not considered violations and, therefore, are not used as a basis for designating areas as nonattainment. As a result, an area could have measured concentrations that exceed a State standard and still be designated as attainment. Finally, the Board will designate an area as **unclassified** for a pollutant if the available data do not support a designation of nonattainment or attainment.

D. IMPLICATIONS OF THE AREA DESIGNATIONS

1. Areas Redesignated as Nonattainment

A district that includes an area that is redesignated as nonattainment for a particular pollutant (referred to as a nonattainment district) experiences two principal consequences under the law. First, State law requires nonattainment districts to develop plans for attaining the State standards for ozone, carbon monoxide, nitrogen dioxide, and sulfur dioxide. The nonattainment districts must submit these attainment plans to the Board for approval (H&SC section 40911). Ozone nonattainment districts that are impacted by transport from upwind areas (in other words, ozone violations are caused by emissions transported from upwind areas located outside the district) are

required to develop ozone attainment plans for mitigating only those violations that would occur in the absence of the transport contribution (H&SC sections 39610(b) and 40912). In this case, the responsible upwind district(s) would be required to mitigate the ozone violations in the downwind nonattainment area that are caused by *overwhelming* transport (see CCR, title 17, section 70600).

A district with an area that is redesignated as nonattainment for any of the remaining five pollutants -- PM_{10} , sulfates, lead, hydrogen sulfide, or visibility reducing particles -- is not subject to any specific statutory planning requirements. However, such districts must adopt and enforce rules and regulations to expeditiously attain the State standards for these five pollutants (H&SC sections 40001 and 40913). Furthermore, a nonattainment district may develop and implement an attainment plan or adopt regulations to control the emissions that contribute to these pollutants (H&SC section 40926). The second consequence of a nonattainment designation is that the Board may require a nonattainment district to collect additional permit fees from large, nonvehicular sources located in the nonattainment area (H&SC section 39612; CCR, title 17, sections 90800.5 through 90803). Only those sources which are authorized by district permits to emit 500 tons per year or more of any nonattainment pollutant or its precursors are subject to the additional permit fees. The fees are used to help defray the costs of State programs related to nonvehicular sources and implemented under the California Clean Air Act of 1988 (Stats. 1988, ch. 1568). With certain exceptions, nonattainment districts also are authorized to levy a fee of up to \$4.00 on motor vehicles registered in the district for the purposes of California Clean Air Act implementation (H&SC sections 44223 and 44225).

2. Areas Redesignated as Nonattainment-Transitional

Nonattainment-transitional is a subcategory of the nonattainment designation. Therefore, a district with a nonattainment area that is redesignated as nonattainment-transitional is still subject to the same requirements as a nonattainment district (refer to discussion in subsection 1, above).

However, in contrast to the nonattainment designation, a nonattainment-transitional designation may signal a change in how these requirements are implemented. For example, a district that currently is implementing an approved attainment plan may determine that some of the additional control measures contained in the attainment plan are not needed to reach attainment by the earliest practicable date. As a result, the nonattainment-transitional designation provides the district with a signal that it may be appropriate to review, and perhaps modify, its approved attainment plan. District actions in response to a nonattainment-transitional designation must be consistent with State and federal regulations and statutes. H&SC section 40925.5 specifically allows a district with an area designated as nonattainment-transitional for

ozone to shift some stationary source control measures from the rulemaking calendar to the contingency category if the district finds these control measures are no longer necessary to accomplish expeditious attainment of the State ozone standard. These actions do not apply to control measures required to mitigate the effects of pollutant transport. The Board may disapprove any action of the district within 90 days if the Board finds that the action will delay expeditious attainment of the State ozone standard.

3. Areas Redesignated as Attainment or Unclassified

State law does not impose any specific planning requirements upon districts with areas redesignated as attainment or unclassified. However, State law does require that the State standards not only be attained but also, maintained. State law requires the districts and the Board to make a coordinated effort to protect and enhance the ambient air quality (H&SC sections 39001 through 39003). As part of this effort, the districts must adopt rules and regulations sufficiently effective to achieve and maintain the State standards (H&SC sections 40001 and 41500).

E. PUBLIC NOTIFICATION ON THE AREA DESIGNATION REVIEW PROCESS

Both the H&SC (section 39608(c)) and the designation criteria (CCR, title 17, section 70306) require the Board to review the area designations annually and to redesignate areas as new information becomes available (refer to Attachments A and B, respectively). As part of this review process, the staff distributed two notices. These notices are shown in Attachment F.

On April 3, 2000, the staff sent a letter to all districts notifying them of the May 1, 2000, deadline for requesting a change in an area's designation, submitting information for consideration in the annual review process, or requesting a nonattainment-transitional designation for pollutants other than ozone. The nonattainment-transitional designations for ozone are made by operation of law and confirmed by the Board's staff. As a result, the staff received one letter from the Siskiyou County Air Pollution Control District requesting a redesignation from nonattainment to nonattainment-transitional for PM_{10} . However, as the staff pointed out in a letter of response to the District, the designation criteria state that for an area to be designated nonattainment-transitional for pollutants other than ozone (i.e. PM_{10}), samples must be "routinely collected every day." PM_{10} samples are collected every six days and, hence, do not meet the criteria for nonattainment-transitional.

On August 1, 2000, the staff distributed a general announcement for a public consultation meeting held August 21, 2000. This announcement included a discussion of the staff's proposed amendments to the area designations. As required by the

designation criteria, the proposed area redesignations are based on the staff's review of the air quality data collected during the most recent three calendar years (1997-99).

CHAPTER II

PROPOSED AMENDMENTS TO THE AREA DESIGNATIONS

A. INTRODUCTION

This chapter describes and explains the proposed amendments to the area designations based on changes in air quality during the most recent three calendar years (1997-99) from the previous three-year period (1996-98).

The proposed redesignations are based on air quality data for record as defined in section 70301 of the designation criteria. The air quality data used for redesignating an area as nonattainment must be representative of the averaging time specified in the State standard. The air quality data used for qualifying an area as attainment or nonattainment-transitional must meet the representativeness and completeness criteria. The specific requirements for evaluating data representativeness and data completeness are given in Appendices 1 and 3, respectively, of the California Code of Regulations (CCR), title 17, sections 70300 through 70306 (refer to Attachment B).

As required by the designation criteria, the staff reviewed the air quality data collected during the most recent three-year period of 1997 through 1999. Based on these data, redesignations are appropriate for ozone only. Section B of this chapter describes the areas and circumstances for which the staff is proposing area redesignations for ozone. No action is proposed for the remaining pollutants: carbon monoxide, nitrogen dioxide, sulfur dioxide, particulate matter, sulfates, lead, hydrogen sulfide, and visibility reducing particles. Therefore, the current area designations for these eight pollutants would remain unchanged.

Section C describes a number of areas where the air quality data would appear to signal a change in the area designation might be warranted but, for reasons given in each subsection, the staff does not recommend a redesignation.

Section D summarizes the staff's recommendation to the Board regarding the amendments to a specific section of the area designation regulations.

Designation Value (DV)

The following sections make reference to the Designation Value (DV), which is the measured ambient concentration used to determine the attainment status of a given area. The DV is defined as follows:

The Designation Value (DV) for a pollutant for a given monitoring site, for purposes of making designations for the State ambient air quality standards for the area in which the site is located, is the highest concentration after excluding measurements affected by highly irregular or infrequent events. Specifically, the DV is the highest measured concentration during a specified three-year period that is equal to or lower than the Expected Peak Day Concentration (EPDC), after the calculated EPDC and the measured concentrations are rounded to the level of precision of the relevant State standard. Determinations of EPDCs do not exclude concentrations affected by exceptional events or unusual concentration events. However, measured concentrations identified as affected by an exceptional event or unusual concentration event are not used in determining the DV.

For example, if the calculated ozone EPDC for a site is 0.096 parts per million (ppm), and the four highest measured concentrations are 0.125, 0.113, 0.102, and 0.094 ppm, then the DV is equal to 0.10 ppm. This is because the EPDC of 0.096 ppm would be first rounded to 0.10 ppm (consistent with the precision of the ozone standard which is two decimal places), and 0.10 ppm is the highest measured concentration equal to or lower than the rounded EPDC after the measured concentrations are rounded to two decimal places. The measured concentrations of 0.125 ppm (rounded to 0.13 ppm) and 0.113 ppm (rounded to 0.11 ppm) are higher than the rounded EPDC of 0.10 ppm, but are excluded as extreme concentrations and not considered as the DV.

When there are less than three complete years of air quality data, the calculated EPDC may not be considered valid for an attainment determination. If the calculated EPDC is not valid, the DV is simply the highest measured concentration at the site during the specified three-year period, after excluding measurements affected by exceptional or unusual concentration events. Further explanation on determining the validity of EPDCs and a tabulation of the DVs and EPDCs for the 1997-1999 period, as used for determining area designations, are given in Attachment E.

B. PROPOSED AREA REDESIGNATIONS FOR OZONE

The State standard for ozone is a one-hour average concentration of 0.09 ppm not to be exceeded (CCR, title 17, section 70200). Under the designation criteria, the geographic area for ozone designations is generally the air basin, unless the Board finds that there are areas within an air basin that are distinctly different (refer to Attachment B). Health & Safety Code (H&SC) section 40925.5 requires that ozone redesignations to nonattainment-transitional by operation of law be made at the district level under specified conditions. Because designations are normally made by air basin or county portion thereof, the staff has previously proposed and the Board has concurred, that nonattainment-transitional designations be also specified by air basin or

county (CCR, title 17, section 60201).

Section 40925.5(a) of the H&SC provides that a district that is designated as nonattainment for ozone will be redesignated as nonattainment-transitional by operation of law if complete data show that there are three or fewer exceedances of the State ozone standard at every monitoring site in the district during a single calendar year. If these criteria are not met in subsequent years, then the district (or county) reverts back to nonattainment.

Based on air quality data from 1999, Butte, Glenn, and Mono Counties no longer meet the criteria for nonattainment-transitional for ozone. Therefore, the staff is proposing that these counties be redesignated to nonattainment by operation of law. The specific air quality data for each area are described in the following subsections.

1. Butte County

Butte County is located in the Sacramento Valley Air Basin (SVAB). The SVAB is currently designated as nonattainment for the State ozone standard. Butte County (in addition to the Colusa County and Glenn County) is currently classified as nonattainment-transitional.

The only ozone monitoring within the County during 1997 through 1999 occurred at the Chico-Manzanita site. In 1996, this site had only two exceedances of the State ozone standard and, by operation of law, Butte County qualified as nonattainment-transitional in 1997. In 1997 and 1998, the site had zero and two exceedances, respectively. In 1999, however, the Chico-Manzanita site had seven exceedances. Since there were more than three exceedances of the State ozone standard during 1999 (the most recent calendar year), the County no longer meets the nonattainment-transitional criteria. Therefore, the staff confirms the redesignation of Butte County as nonattainment for the State ozone standard by operation of law. However, the district staff believes that some of these exceedances may have been impacted by wildfires. Although these types of events are not excluded from the designation of nonattainment-transitional, they are considered when evaluating a district's plan. The ARB staff believes that no new control measures will be required as a result of this redesignation.

2. Glenn County

Glenn County is located in the Sacramento Valley Air Basin (SVAB). The SVAB is currently designated as nonattainment for the State ozone standard. Glenn County is currently classified as nonattainment-transitional.

The only ozone monitoring within the County occurs at the Willows - East Laurel site. In 1997, Glenn County qualified as nonattainment-transitional because the Willows site had only one exceedance the prior year. In 1998, the Willows site had two exceedances. In 1999, however, the Willows site had four exceedances. Since there were more than three exceedances of the State ozone standard during 1999 (the most recent calendar year), the County no longer meets the nonattainment-transitional criteria. Therefore, the staff confirms the redesignation of Glenn County as nonattainment for State ozone standard by operation of law. However, the ARB staff believes that some of these exceedances may have been impacted by wildfires. Although these types of events are not excluded from the designation of nonattainment-transitional, they are considered when evaluating a district's plan. The ARB staff believes that no new control measures will be required as a result of this redesignation.

3. Mono County

Mono County is part of the Great Basin Unified Air Pollution Control District located in the Great Basin Valleys Air Basin (GBVAB). Mono County is currently designated nonattainment-transitional for ozone. The remainder of the GBVAB is designated as unclassified.

The only ozone monitoring that took place in Mono County during the 1997-99 period occurred at the District site located at Mammoth Lakes. In 1994, Mono County qualified as nonattainment-transitional because the Mammoth Lakes site did not have any exceedances of the State standard in 1993, down from five exceedances the year before. The Mammoth Lakes site has not had more than three exceedances since 1992.

The redesignation of Mono County from nonattainment-transitional to nonattainment is being proposed because the ozone monitor in Mammoth Lakes was shut down in 1998. Therefore, the nonattainment-transitional designation can no longer be documented. Hence, the staff confirms the redesignation of Mono County as nonattainment for the State ozone standard by operation of law.

C. AREAS NOT RECOMMENDED FOR REDESIGNATION

This section describes several areas of the State that are not recommended for redesignation. These areas fall into one of two categories: (1) the area's air quality appears to qualify it for the attainment or nonattainment-transitional designation, but the data are incomplete, the site(s) do not meet the criteria for measuring the highest concentrations in the area, or the size of the designation area for that particular pollutant should be on a larger scale; or (2) the area has one or more exceedances that would signal a nonattainment designation but the exceedance(s) are excluded as

affected by a highly irregular or infrequent event. The specifics of each case are described below.

1. Colusa County for Ozone

Colusa County is located in the Sacramento Valley Air Basin (SVAB). The SVAB is currently designated as nonattainment for the State ozone standard. Colusa County is currently designated nonattainment-transitional.

The only ozone monitoring in the County occurs at the Colusa – Sunrise Boulevard site. The 1999 Expected Peak Day Concentration (EPDC) for this site is 0.09 parts per million (ppm). The Designation Value (DV) for the site is also 0.09 ppm. A DV of 0.09 ppm, equal to but not exceeding the State standard, would seem to indicate that the County qualifies as attainment. However, the County does not qualify for attainment because the geographic area for ozone designations is generally the air basin. In order to designate smaller areas for ozone, the Board must find that the smaller area has distinctly different air quality deriving from sources and conditions not affecting the entire basin. The staff does not recommend that the Board find Colusa County to be distinctly different from the SVAB as a whole. Therefore, the staff does not recommend any change to Colusa County's nonattainment-transitional designation for the State ozone standard.

2. Inyo County for Ozone

Inyo County is located in the Great Basin Valleys Air Basin. Currently, Inyo County is designated as unclassified for the State ozone standard.

The National Park Service has been collecting ozone data at a site in the Death Valley National Park. During the period from 1997-99, the ozone data were sufficient for calculating a valid EPDC of 0.09 ppm. The DV is also 0.09 ppm, which equals (but does not exceed) the State ozone standard. This would appear to qualify Inyo County as attainment for ozone.

However, a closer examination of the data reveals that the data are not complete and representative during two important summer periods. Specifically, ozone data were incomplete for nine days and not representative for 14 days during May 1997. In addition, nine days did not meet the representativeness criteria during July 1998. Thus, the data do not meet the criteria of being 75 percent complete for each of these two months.

Because the representativeness and completeness criteria were not met for this site, the staff does not recommend any change to Inyo County's unclassified designation for the State ozone standard.

3. Los Angeles County (Mojave Desert Air Basin portion) for Ozone

The Antelope Valley Air Pollution Control District (APCD) comprises the Los Angeles County portion of the Mojave Desert Air Basin (MDAB). The entire MDAB, including Los Angeles County, is currently designated as nonattainment for the State ozone standard.

The only ozone monitoring occurring within the Los Angeles County portion of MDAB is at the Lancaster – West Pondera Street site. It is expected to measure high ozone concentrations within the District. The data for 1999 (and 1998) meet the representativeness and completeness criteria and indicates that Lancaster had only one exceedance in 1999 (24 in 1998). Since there were not any sites within the County that had more than three exceedances of the State standard during 1999 (the most recent calendar year), it would appear that the County qualifies as nonattainment-transitional.

However, a 1998 amendment to the designation criteria provides for a review of data for the current calendar year. If data for the current year (i.e. 2000) show more than three exceedances at any monitoring location in the area, thereby ensuring that the area would not qualify as nonattainment-transitional during the next annual review, the staff would propose that the area be designated nonattainment. A review of the available 2000 data for the Lancaster site shows that there have been more than three exceedances of the State ozone standard. Therefore, the staff does not recommend any change to Los Angeles County's (MDAB portion) nonattainment designation for the State ozone standard.

4. North Central Coast Air Basin for Ozone

The North Central Coast Air Basin (NCCAB) is currently classified as nonattainment for the State ozone standard. There are ten monitoring sites within the Basin with the sites at Pinnacles and Hollister typically measuring the highest values.

The Pinnacles and Hollister sites had two and zero exceedances of the State ozone standard in 1999, respectively. The **high-day coverage** for these sites, and all other sites within the Basin, is over 90 percent. The high-day coverage is the percentage of "expected high days" that are complete during the year. This would seem to indicate that the Basin qualifies as nonattainment-transitional.

However, a closer examination of the data reveals that data at Hollister are not complete and representative during two important summer periods. Specifically, ozone data were incomplete for 12 days and not representative for 16 days in June 1999. In addition, 14 days did not meet the representativeness criteria at Pinnacles in July 1999. Thus, the data do not meet the criteria of being 75 percent complete for each of these two months. If complete data were available for these two periods, it is possible that there might have been additional exceedances. Because the data do not meet the criteria for completeness or representativeness, a nonattainment-transitional designation is not appropriate for the NCCAB. Therefore, staff does not recommend any change to NCCAB's nonattainment designation for the State ozone standard.

5. San Luis Obispo County for Ozone

San Luis Obispo County is located in the South Central Coast Air Basin (SCCAB). The entire SCCAB, including San Luis Obispo County, is currently designated as nonattainment for the State ozone standard.

There are seven ozone monitoring sites within the County, with the Atascadero and Paso Robles sites typically measuring the highest values in the County. The Paso Robles and Atascadero sites each had one and zero exceedances in 1999, respectively. There was one other exceedance in the County during 1999 (at Morro Bay). Since all seven sites had three or fewer exceedances of the State ozone standard during 1999 (the most recent calendar year), it would appear that the County would qualify for the nonattainment-transitional designation.

However, as pointed out earlier, a 1998 amendment to the designation criteria provides for a review of data for the current calendar year. If data for the current year (i.e. 2000) show more than three exceedances at any monitoring location in the area, thereby ensuring that the area would not qualify as nonattainment-transitional during the next annual review, the staff would propose that the area be designated nonattainment. As part of the 2000 Central California Ozone Study (CCOS), an ozone monitor was established at Red Hills and will become part of the permanent monitoring network. The data for this site are data for record. A review of the available 2000 data for this site shows that there have been more than three exceedances of the State ozone standard. Hence, the staff does not recommend any change to San Luis Obispo County's nonattainment designation for the State ozone standard.

6. Santa Barbara County for Ozone

Santa Barbara County is located in the South Central Coast Air Basin (SCCAB). The SCCAB, including Santa Barbara County, is currently designated as nonattainment for the State ozone standard.

There are 13 ozone monitoring sites within the County, many of which are expected to measure high ozone concentrations. All but two sites met the representativeness and completeness criteria for 1999. These two sites, however, do not typically measure the highest ozone concentrations within the County. All 13 sites had three or fewer exceedances of the State standard during 1999 (the most recent calendar year). Since there were not any sites within the County that had more than three exceedances of the State standard during 1999, it would appear that Santa Barbara County qualifies as nonattainment-transitional.

However, a 1998 amendment to the designation criteria provides for a review of data for the current calendar year. If data for the current year (i.e. 2000) show more than three exceedances at any monitoring location in the area, thereby ensuring that the area would not qualify as nonattainment-transitional during the next annual review, the staff would propose that the area be designated nonattainment. A review of the available 2000 data shows that there have been more than three exceedances of the State ozone standard at the Las Flores Canyon (#1) site in Santa Barbara County. Therefore, the staff does not recommend any change to Santa Barbara County's nonattainment designation for the State ozone standard.

7. El Dorado County (Mountain Counties Air Basin portion) for PM₁₀

The State standard for PM₁₀ is a 24-hour average concentration of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), not to be exceeded. The portion of El Dorado County located in the Mountain Counties Air Basin (MCAB) is currently designated as nonattainment for the State PM₁₀ standard.

The monitoring site with PM₁₀ data in the MCAB portion of El Dorado County is the Placerville-Gold Nugget Way site. For the three-year period of 1997-99, the calculated EPDC for PM₁₀ at this site is $56 \mu\text{g}/\text{m}^3$. There was one exceedance during 1997: a $62 \mu\text{g}/\text{m}^3$. Because this exceedance is higher than the valid EPDC, it is excluded as an extreme concentration. The DV at the site is $49 \mu\text{g}/\text{m}^3$, which is below the State standard. The data seem to indicate that the MCAB portion of El Dorado County would qualify as attainment for PM₁₀.

However, as pointed out in the 1999 review of the area designations, the Placerville-Gold Nugget Way site was originally set up to measure maximum ozone concentrations. While PM₁₀ monitoring was also included, the site location was not selected for measuring the highest PM₁₀ concentrations in the area. A staff review of the monitoring site revealed that the site is located in a remote area, away from the center of town where most vehicular and human activities occur. The site is situated on a ridge and isolated from major commercial and residential neighborhoods of Placerville. The site does not appear to reflect or measure the impact of any type of

PM₁₀ sources in the area. Thus, the staff believes that this particular site might not have recorded all possible PM₁₀ exceedances in the MCAB portion of El Dorado County. ARB staff is working with district staff in relocating the PM₁₀ monitor to a location indicative of high PM₁₀ exposure.

In conclusion, because the Placerville-Gold Nugget Way site does not represent population exposure or highest PM₁₀ concentrations in the MCAB portion of El Dorado County, the staff does not recommend any change to the nonattainment designation for the MCAB portion of El Dorado County for the State PM₁₀ standard.

8. City of Calexico for Nitrogen Dioxide

The State standard for nitrogen dioxide is a one-hour average concentration of 0.25 ppm, not to be exceeded. The city of Calexico is located in Imperial County in the Salton Sea Air Basin. The entire Basin is currently designated as attainment for the State nitrogen dioxide standard.

There are two monitoring sites in Imperial County: Calexico – Ethel Street and Calexico – East Street. During the 1997-1999 period, there were two exceedances at the Calexico – Ethel Street site: a 0.257 ppm in 1998 and a 0.286 ppm in 1999. The 1999 calculated EPDC for the Ethel Street site is 0.15 ppm. However, the calculated EPDC is not valid because the high-day coverage for 1997 and for 1998 is 74 percent. Three years of high-day coverage greater than or equal to 75 percent is needed to have a valid EPDC. One more complete day in each of 1997 and 1998 would have resulted in a valid EPDC. If the calculated EPDC of 0.15 ppm was valid, the two exceedances would be excluded as extreme concentrations.

The staff determined that the exceedances at Calexico were likely caused by the transport of emissions from Mexico. The impact of the nitrogen dioxide exceedances was limited to the local area (reflected by the relatively low concentrations observed at the Calexico – East Street site) and the data were not complete enough to support a nonattainment designation. Therefore, each exceedance was identified by the staff as affected by an unusual concentration event.

Because the only exceedances are excluded as unusual concentration events, the staff does not recommend any change to the city of Calexico's attainment designation for State nitrogen dioxide standard.

9. Riverside County for Nitrogen Dioxide

The South Coast Air Basin, including Riverside County, is designated as attainment for the State nitrogen dioxide standard.

In the three-year period of 1997 through 1999, there were two exceedances at the Banning monitoring site: a 0.255 ppm in 1998 and a 0.307 ppm in 1999. The 1999 EPDC for this site is .18 ppm. (The DV is also 18 ppm.) Because the exceedances are higher than the EPDC, they are excluded as extreme concentrations. After the exclusions, there are no other exceedances at any site in Riverside County.

Because the only exceedances are excluded as extreme concentrations, the staff does not recommend any change to Riverside County's attainment designation for the State nitrogen dioxide standard.

10. Inyo County for Hydrogen Sulfide

The State standard for hydrogen sulfide is a one-hour average concentration of 0.03 ppm, not to be *equaled* or exceeded. Inyo County is located in the Great Basin Valleys Air Basin. Currently, Inyo County is designated as attainment for the State hydrogen sulfide standard.

There are two sites that measure hydrogen sulfide in Inyo County: Cosco Gate and Cosco Junction Highway 395. During the 1997-1999 period, there was one exceedance of 0.03 ppm at the Cosco - Gate monitoring site. The EPDC for this site is 0.01 ppm. Because the exceedance is higher than the EPDC, it is excluded as an extreme concentration. There are no other exceedances at any site in Inyo County.

Because the only exceedance is excluded as an extreme concentration, the staff does not recommend any change to Inyo County's attainment designation for the State hydrogen sulfide standard.

11. Los Angeles County for Sulfates

The State standard for total sulfates is a 24-hour average concentration of 25 $\mu\text{g}/\text{m}^3$, not to be *equaled* or exceeded. Currently, Los Angeles County is designated as attainment for the State sulfates standard.

In the three-year period of 1997 through 1999, there was one exceedance at the Pico Rivera monitoring site in 1999. The 1999 EPDC for this site is 18 $\mu\text{g}/\text{m}^3$. (The DV is 15 $\mu\text{g}/\text{m}^3$.) Because the exceedance is higher than the EPDC, it is excluded as an extreme concentration. After the exclusion, there are no other exceedances at any site in Los Angeles County.

Because the only exceedance is excluded as an extreme concentration, the staff does not recommend any change to Los Angeles County's attainment designation for sulfates.

12. San Diego Air Basin for Sulfates

Currently, the San Diego Air Basin is designated as attainment for the State standard for sulfates.

In the three-year period of 1997 through 1999, there was one exceedance of $27 \mu\text{g}/\text{m}^3$ at the San Diego-12th Avenue monitoring site in 1997. After an extensive examination of the cause of this exceedance during the 1998 review of area designations, the staff determined that the exceedance was likely caused by transport of sulfur dioxide emissions from a power plant in the Rosarito area of Mexico. Since this plant was expected to be converted from fuel oil to natural gas in the next several years, exceedances were not expected to recur. The staff also determined that the impact of the sulfate exceedance was limited to the local area and the data were not complete enough to support a nonattainment designation. Therefore, the exceedance was identified by the staff as affected by an unusual concentration event, and was so approved by the Board at the September 1998 hearing.

A staff review of the sulfate data showed that there were no other exceedances of the State sulfates standard during the period of 1997-99. Thus, the staff maintains that the exceedance in 1997 be excluded as affected by an unusual concentration event and not be considered in determining the current area designation. Because there are no violations, the staff does not recommend any change in the attainment designation for the San Diego Air Basin for the State sulfates standard.

D. STAFF RECOMMENDATION

The staff recommends that the Board adopt the proposed amendments to section 60201 of the area designation regulations which incorporates the changes that occur by operation of law. Specifically, the staff proposes that Butte, Glenn, and Mono Counties be redesignated from nonattainment-transitional to nonattainment for the State ozone standard. The full text of the proposed amendments is shown in Attachment D of this staff report.

[This page intentionally left blank]

CHAPTER III

ALTERNATIVES TO THE PROPOSED AMENDMENTS

The requirement for annually reviewing the area designations is specified in State law (Health and Safety Code, section 39608(c)). The proposed amendments to the area designations are described in Chapter II of this staff report. The proposed area redesignations reflect the application of the designation criteria set forth in California Code of Regulations (CCR), title 17, sections 70300 through 70306. The proposed area redesignations are accompanied by a discussion of their basis and justification. The staff has considered the potential alternatives to the proposed amendments to the area designations, namely, the no action alternative. However, based on the available data, the staff finds the proposed amendments are more appropriate than the no action alternative.

[This page intentionally left blank]

CHAPTER IV

IMPACTS OF THE PROPOSED AMENDMENTS

A. PUBLIC HEALTH AND WELFARE IMPACTS

The adoption of the proposed amendments to the area designations is not expected, in and of itself, to result in any adverse impacts on public health and welfare. However, because State law specifies certain requirements based on an area's designation status, there may be indirect impacts.

The proposed amendments would redesignate three areas as nonattainment (from nonattainment-transitional) for the State ozone standard. Redesignating an area as nonattainment may result in the Board and districts implementing control measures that have already been previously adopted. Therefore, adopting the proposed redesignations ultimately may indirectly benefit public health and welfare.

B. ECONOMIC IMPACTS

The proposed amendments to the area designations do not contain requirements for action. The area designations are labels that describe the healthfulness of the air quality in each area. Because these regulations by themselves contain no requirements for action, they have no direct economic impact, and the following general determinations are appropriate:

The Executive Officer has determined that adoption of the proposed amendments will not create costs or savings, as defined in Government Code section 11346.5(a)(6), to any State agency or in federal funding to the State, costs or mandate to any local agency or school district whether or not reimbursable by the State pursuant to Part 7 (commencing with section 17500), Division 4, Title 2 of the Government Code, or other nondiscretionary savings to local agencies.

The Executive Officer also has determined, in accordance with Government Code section 11346.5(a)(8), that adoption of the proposed amendments will not have a significant adverse economic impact on businesses, including the ability of California businesses to compete with businesses in other States. The Executive Officer has determined that there will be no, or an insignificant, potential cost impact, as defined in Government Code section 11346.5(a)(9), on private persons or businesses directly affected as a result of adopting the proposed amendment.

In accordance with Government Code section 11346.3, the Executive Officer has determined that adoption of the proposed amendments will not affect the creation or elimination of jobs within the State of California, the creation of new businesses or the elimination of existing businesses within California, or the expansion of businesses currently doing business within California.

In accordance with Government Code section 11346.5(a)(11), the Executive Officer has determined that adoption of the proposed amendments will not have a significant effect on housing costs.

Finally, the Executive Officer has also determined, under Government Code section 11346.5(a)(3)(B), that the proposed regulatory action will not affect small business, because by themselves, the amendments contain no requirements for action and, therefore, have no direct economic impact.

Before taking final action on the proposed amendments to the regulations, the Board must determine that no alternative considered by the agency would be more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposed action.

CHAPTER V

DOCUMENTS RELIED UPON

The following is a list of the documents the staff used in developing the proposed amendments documented in this staff report:

1. Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, N.C., # EPA-450/4-86-007 (July 1986).

[This page intentionally left blank]

ATTACHMENT A

**RELEVANT SECTIONS OF THE
HEALTH AND SAFETY CODE**

[This page intentionally left blank]

ATTACHMENT A

RELEVANT SECTIONS OF THE HEALTH AND SAFETY CODE

Section 39607(e):

[The state board shall:]

Establish and periodically review criteria for designating an air basin attainment or nonattainment for any state ambient air quality standard set forth in Section 70200 of Title 17 of the California Code of Regulations. In developing and reviewing these criteria, the state board shall consider instances where there is poor or limited ambient air quality data, and shall consider highly irregular or infrequent violations. The state board shall provide an opportunity for public comment on the proposed criteria, and shall adopt the criteria after a public hearing.

Section 39608:

(a) The state board, in consultation with the districts, shall identify, pursuant to subdivision (e) of Section 39607, and classify each air basin which is in attainment and each air basin which is in nonattainment for any state ambient air quality standard. This identification and classification shall be made on a pollutant-by-pollutant basis. Where the state board finds that data is not sufficient to determine the attainment or nonattainment status for an air basin, the state board shall identify the air basin as unclassified.

(b) The state board may assign an attainment, nonattainment, or unclassified designation to one or more areas within any air basin unless the state board finds and determines that the pollutant for which the designation applies affects the entire region or is produced by emission sources throughout the region.

(c) Designations made by the state board shall be reviewed annually and updated as new information becomes available.

Section 39610:

(a) Not later than December 31, 1989, the state board shall identify each air basin, or subregion thereof, in which transported air pollutants from upwind areas outside the air basin, or subregion thereof, cause or contribute to a violation of the state ambient air quality standard for ozone, and shall identify the district of origin of the transported air pollutants based upon the preponderance of available evidence. The state board shall identify and determine the priorities of information and studies needed to make a more accurate determination, including, but not limited to, emission inventories, pollutant characterization, ambient air monitoring, and air quality models.

(b) The state board shall, in cooperation with the districts, assess the relative contribution of upwind emissions to downwind ozone ambient air pollutant levels to the extent permitted by available data, and shall establish mitigation requirements commensurate with the level of contribution. In assessing the relative contribution of upwind emissions to downwind ozone ambient air pollutant levels, the state board shall determine if the contribution level of transported air pollutants is overwhelming, significant, inconsequential, or some combination thereof. Any determination by the state board shall be based upon a preponderance of the available evidence.

(c) The state board shall make every reasonable effort to supply air pollutant transport information to heavily impacted districts prior to the development of plans to attain the state ambient air quality standards, shall consult with affected upwind and downwind districts, and shall adopt its findings at a public hearing.

(d) The state board shall review and update its transport analysis at least once every three years.

(e) The state board shall conduct appropriate studies to carry out its responsibilities under this section.

Section 40718:

(a) Not later than January 1, 1990, the state board shall publish maps identifying those cities, counties, or portions thereof which have measured one or more violations of any state or federal ambient air quality standard. The state board shall produce at least one separate map for each pollutant.

Section 40718 (continued):

(b) A district may prepare the maps required under subdivision (a) for the area within its jurisdiction. If a district chooses to prepare maps, the district shall provide the maps to the state board for review not less than four months prior to the date when the state board is required to publish the maps, and pursuant to a schedule established by the state board for any subsequent maps.

(c) The maps produced pursuant to subdivision (a) shall be based upon the most recent monitoring results, using the best technological capabilities and the best scientific judgment. The maps produced pursuant to subdivision (a) shall clearly identify portions of each district which have or have not measured one or more violations of any state or federal ambient air quality standard. The maps shall be representative of the actual air quality in each portion of the district.

(d) The state board shall publish its criteria for preparing the maps pursuant to this section not later than January 31, 1989. To the extent applicable, the state board shall identify any criteria relating to meteorological impact on monitored air quality data; reliability of monitored data; magnitude, frequency, and duration of periods when ambient air quality standards are exceeded; and the area within the district in which the standards are exceeded.

(e) Any person may petition the state board to hold a public hearing on any proposed, adopted, amended, or revised map. If the petition is granted by the state board, the public hearing may be held at a regularly scheduled public hearing in Sacramento. Notice of the time and place of any hearing shall be given not less than 30 days prior to the hearing by publication in the district pursuant to Section 6061 of the Government Code. If a district includes portions of more than one county, the notice shall be published in each county not less than 30 days prior to the date of the hearing.

The notice shall include a description of the map proposed to be adopted, amended, or repealed and a summary description of the effect of the proposal.

(f) The state board shall review annually, and as appropriate revise, the maps required by this section, using the criteria developed pursuant to subdivision (c).

(g) Nothing in this section is intended to prevent a district board from enacting and enforcing rules or regulations designed to prevent interference with or maintenance of state and federal air quality standards, or to prevent significant deterioration of air quality in any area of the district.

Section 40925.5(a):

A district which is nonattainment for the state ozone standard shall be designated "nonattainment-transitional" by operation of law if, during a single calendar year, the state standard is not exceeded more than three times at any monitoring location within the district.

ATTACHMENT B**TEXT OF THE DESIGNATION CRITERIA**

[This page intentionally left blank]

ATTACHMENT B
TEXT OF THE DESIGNATION CRITERIA

**CALIFORNIA CODE OF REGULATIONS, TITLE 17,
SECTIONS 70300 THROUGH 70306, AND APPENDICES 1 THROUGH 4, THEREOF**

70300. General Statement of Purpose

The objective of these criteria is to guide the state board in making designations of areas as attainment, nonattainment, nonattainment-transitional, or unclassified for each of the pollutants for which state ambient air quality standards have been established in Section 70200.

NOTE: Authority Cited: sections 39600, 39601, 39607, 39608, and 40925.5, Health and Safety Code. Reference: sections 39607, 39608, and 40925.5, Health and Safety Code.

70301. Air Quality Data Used for Designations

(a) Except as otherwise provided in this article, designations shall be based on "data for record."

(1) Data for record are those data collected by or under the auspices of the state board or the districts for the purpose of measuring ambient air quality, and which the executive officer has determined comply with the siting and quality assurance procedures established in Part 58, Title 40, Code of Federal Regulations, as they existed on July 1, 1987, or other equivalent procedures.

(2) Any other data which are provided by a district or by any other person will be data for record if the executive officer determines within 90 days of submittal of complete supporting documentation that the data comply with the siting and quality assurance procedures established in Part 58, Title 40, Code of Federal Regulations, as they existed on July 1, 1987, or other equivalent procedures. If the executive officer finds there is good cause that 90 days is insufficient time to make a determination, he/she may after notification of the person requesting the data review extend the deadline for completion of the data review.

(b) Except as otherwise provided in this article, designations and reviews of designations will be based on data for record for the three calendar years prior to the year in which the designation is made or the annual review of the designation is conducted.

(c) Data as described in section 70301(a)(1) and (2) become data for record upon completion of the executive officer's review.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

70302. Geographic Extent of Designations

(a) An air basin will be the area designated for ozone, nitrogen dioxide, suspended particulate matter (PM₁₀), sulfates, and visibility reducing particles. Provided, however, if the state board finds (based on air quality data, meteorology, topography, or the distribution of population and emissions) that there are areas within an air basin with distinctly different air quality deriving from sources and conditions not affecting the entire air basin, the state board may designate an area smaller than an air basin using political boundary lines to the extent practicable. In designating an area smaller than an air basin as nonattainment, the state board will include within the area those sources whose emissions contribute to a violation of a standard for that pollutant. Contiguous areas which would have the same designation within an air basin will be one designated area.

(b) A county or the portion of a county which is located within an air basin will be the area designated for carbon monoxide, sulfur dioxide, lead (particulate), and hydrogen sulfide. Provided, however, if the state board finds (based on air quality data, meteorology, topography, or the distribution of population and emissions) that there are areas within the county with distinctly different air quality, it may designate a smaller area. In designating an area smaller than a county as nonattainment, the state board will include within the area those sources whose emissions contribute to a violation of a standard for that pollutant.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 38608, Health and Safety Code.

70303. Criteria for Designating an Area as Nonattainment

(a) The state board will designate an area as nonattainment for a pollutant if:

(1) Data for record show at least one violation of a state standard for that pollutant in the area, and the measurement of the violation meets the representativeness criteria set forth in "Criteria for Determining Data Representativeness" contained in Appendix 1 to this article; or

(2) Limited or no air quality data were collected in the area, but the state board finds, based on meteorology, topography, and air quality data for an adjacent nonattainment area, that there has been at least one violation of a state standard for that pollutant in the area being designated.

(b) An area will not be designated as nonattainment if the only recorded exceedance(s) of that standard were based solely on data for record determined to be affected by a highly irregular or infrequent event. Data affected by a highly irregular or infrequent event will be identified as such by the executive officer in accordance with the "Air Resources Board Procedure for Reviewing Air Quality Data Possibly Affected by a Highly Irregular or Infrequent Event," set forth in Appendix 2 to this article.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607, and 39608, Health and Safety Code.

70303.1. Criteria for Designating an Area as Nonattainment-Transitional for Pollutants Other than Ozone

(a) Nonattainment-transitional is a subcategory of the nonattainment designation. The state board will, if requested by a district no later than May 1 of each year pursuant to section 70306, identify that portion of a designated area within the district as nonattainment-transitional for a pollutant other than ozone with a standard averaging time less than or equal to 24 hours and for which samples are routinely collected every day if it finds that:

(1) Data for record for the previous calendar year are consistent with the criteria established in section 70304(a)(2) and show two or fewer days at each site in the area with violations of a state standard for that pollutant (not including exceedances found to be affected by a highly irregular or infrequent event under the procedure set forth in Appendix 2);

(2) Evaluation of multi-year air quality, meteorological and emission data indicates that ambient air quality either has stabilized or is improving and that every site in the area is expected to reach attainment within three years; and

(3) The geographic extent of the area is consistent with the criteria established in section 70302.

(b) An area designated as nonattainment-transitional for a pollutant is close to attaining the standard(s) for that pollutant. The nonattainment-transitional designation provides an opportunity for a district to review and potentially to modify its attainment plan. Any modification to an attainment plan must be consistent with state and federal regulations and statutes.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

70303.5. Requirements for Ozone Nonattainment-Transitional

(a) If an area within an air basin is designated as nonattainment for ozone, that area is designated as nonattainment-transitional for ozone if the following conditions are met:

(1) The area is a district, or the area is a portion of a district consistent with the criteria established in section 70302(a);

(2) Data for record consistent with the criteria established in section 70304(a)(2) are used to determine the number of exceedances for the previous calendar year at each monitoring location in the area;

(3) All data collected during the previous calendar year are considered in the evaluation, including data possibly affected by a highly irregular or infrequent event under the procedure set forth in Appendix 2;

(4) Each day with concentration(s) that exceed the state ozone standard is counted as one exceedance day; and

(5) No monitoring location in the area has more than three exceedance days during the previous calendar year.

(b) If an area qualifies for designation as nonattainment-transitional for ozone for the previous calendar year under section 70303.5(a), and the executive officer has determined that data for the current calendar year indicate more than three exceedance days at any one monitoring location, that area is designated as nonattainment.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 40925.5, Health and Safety Code. Reference: sections 39607 and 40925.5, Health and Safety Code.

70304. Criteria for Designating an Area as Attainment

(a) The state board will designate an area as attainment for a pollutant if:

(1) Data for record show that no state standard for that pollutant was violated at any site in the area; and

(2) Data for record meet representativeness and completeness criteria for a location at which the pollutant concentrations are expected to be high based on the spatial distribution of emission sources in the area and the relationship of emissions to air quality. Data representativeness criteria are set forth in "Criteria for Determining Data Representativeness" contained in Appendix 1 to this article. Data completeness criteria are set forth in "Criteria for Determining Data Completeness" contained in Appendix 3 to this article.

(b) Where there are limited or no air quality data for an area, the state board will designate the area as attainment for a pollutant if it finds that no state standard for that pollutant has been violated in that area based on:

(1) Air quality data collected in the area during the most recent period since 1980 which meet the conditions in (a) above;

(2) Emissions of that pollutant or its precursors in the area have not increased since that period to a level at which the standard might be exceeded; and

(3) Air quality data collected in the area since the time period in (1) above do not show a violation of the state standard.

(c) Where an area has limited or no air quality data for nitrogen dioxide, sulfur dioxide, sulfates, and lead (particulate), the state board shall designate that area attainment for a pollutant if it finds that no state standard for that pollutant has been violated in that area based on the "Screening Procedure for Determining Attainment Designations for Areas with Incomplete Air Quality Data" set forth in Appendix 4 to this article.

(d) A nonattainment area will not be redesignated as attainment for a pollutant if:

(1) Data for record for the monitoring site showing the greatest violation of a state standard for that pollutant no longer are available; and

(2) No other site has been identified as equivalent by the executive officer.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

70305. Criteria for Designating an Area as Unclassified

The state board will designate an area as unclassified for a pollutant if it finds that, except as otherwise provided in this article, the data do not support a designation of attainment or nonattainment.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

70306. Annual Review of Designations

(a) The executive officer will conduct annual reviews of all designations and will propose revisions to the designations as necessary to the state board. The executive officer will complete the annual reviews by November 15.

(b) Any request for a change in a designation and any submittal of information for purposes of the executive officer's consideration in the annual review of a designation shall be provided in writing to the executive officer no later than May 1 of each year.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

APPENDIX 1

CRITERIA FOR DETERMINING DATA REPRESENTATIVENESS

This Appendix describes the criteria to be used in determining data representativeness for the purpose of designating areas as described in this Article. Representativeness, as used here, is only related to whether or not the amount of data reported is sufficiently complete to characterize reliably air quality during the respective time period. No other kind of representativeness is implied. The criteria for representativeness are summarized in the accompanying table and discussed further, below.

Air quality statistics are usually computed from short term observed values. For example, an annual arithmetic mean is computed from all available hourly samples. If all the short term values for the statistical time period are available, the calculated statistic is representative. However, because all the short term values for a given period often are not available, a minimum number of observations are needed to provide reasonable assurance that the calculated value is a reliable estimate. In general, statistics are considered representative if 75 percent of the possible short term values are included and are distributed throughout the entire statistical time period.

To ensure that seasonal variations are accounted for, representative annual statistics are required to have four representative calendar quarters of data. Because three representative months are required for each calendar quarter, the lack of representativeness of the monthly mean concentrations precludes a reliable estimate of a representative calendar quarter, which in turn precludes the representativeness of an annual statistic. Each level of criteria--hour, day, month, quarter, and year--must be met in order to make a representative annual statistic.

For observations made at less than 24-hour intervals, for example, hourly samples, representativeness depends on whether all the individual values are to be used or only a single daily value is to be used. In general, for representative statistics computed from all of the individual values, such as the mean of all hours, 75 percent of the values in the respective period are required. For representative statistics computed from daily values, such as the monthly mean of daily maximum hours, data from 75 percent of the days in the month are required and the data within those days must meet the relevant representativeness criteria.

CRITERIA FOR REPRESENTATIVENESS OF AIR QUALITY MEASUREMENTS AND STATISTICS

<u>Representative Calendar Statistic</u>	<u>Sampling Time Period</u>	<u>Basis of Statistic or Requirement</u>	<u>Number of Representative Periods Required</u>	
Year	Any		4 representative calendar quarters	
Quarter	24-hour	Based on a daily sample	3 representative months	
	< 24-hours <	Based on a daily statistic; or	69 or more representative calendar days	
		Based on hourly samples	1,643 or more hours	
Month	24-hour	Based on daily sample	4 or more 24-hour samples	
	< 24-hours <	Based on a daily statistic; or	23 or more representative calendar days	
		Based on all hourly samples; or	548 or more hours	
		Based on all 2-hour samples; or	274 or more 2-hour samples	
		Based on all 3-hour samples	183 or more 3-hour samples	
Day	1-hour		6 or more hours in each 1/3 day (hours 0 thru 7, 8 thru 15, 16 thru 23), and missing no more than 2 consecutive hourly samples	
	< 2-hour	Based on all 2-hour samples	9 or more samples	
	3-hour	Based on all 3-hour samples	6 or more samples	
	24-hour	Based on daily sample	22 but not more than 26 hours of sampling	
		<u>N</u>	<u>Number of Samples Needed</u>	
Mean of N Hour Period			24	18 or more hourly samples
			8	6 or more hourly samples
			6	5 or more hourly samples
			4	3 hourly samples
			3	3 hourly samples
			2	2 hourly samples
			1	30 minutes or more of sampling

APPENDIX 2

AIR RESOURCES BOARD PROCEDURE FOR REVIEWING AIR QUALITY DATA POSSIBLY AFFECTED BY A HIGHLY IRREGULAR OR INFREQUENT EVENT

This Appendix describes the procedures that the Air Resources Board will use for reviewing air quality data possibly affected by a highly irregular or infrequent event with regard to the state ambient air quality standards. All decisions regarding the identification of data as being affected by a highly irregular or infrequent event will be made by the executive officer.

The executive officer will review air quality data for possible identification as affected by a highly irregular or infrequent event if the data are the only exceedances of an air quality standard in the area or if such identification would otherwise affect the designation of the area.

Three types of highly irregular or infrequent events may be identified:

1. Extreme Concentration Event.
2. Exceptional Event.
3. Unusual Concentration Event.

Extreme Concentration Events

An extreme concentration event is an event beyond reasonable regulatory control which causes an exceedance of a state standard. An extreme concentration event is based on a statistical procedure and may not always be linked to a specific identifiable cause. The causes of an extreme concentration event include but are not limited to unusual meteorology.

The steps for identifying an extreme concentration event are:

1. A district (or the executive officer) identifies questionable data.
2. In evaluating a possible extreme concentration event, the executive officer will use the data for the site at which the event is suspected to determine a limit for concentrations expected to recur no more frequently than once in one year. The limit will be determined using the "exponential tail method" described in Procedure for Computing the Values Used in Identifying Extreme Concentration Events (August 1998), which is incorporated by reference herein.

Using conventional rounding procedures, the limit will be consistent with the level of precision in which the standard is expressed. If the possible extreme concentration exceeds the concentration expected to recur no more frequently than once in one year, the executive officer will consult with the district in identifying the data as affected by an extreme concentration event.

3. When an extreme concentration event is identified, the executive officer will review other information, including but not limited to meteorological data, to determine whether air quality data for other sites in the area were affected by the extreme concentration event.

Exceptional Events

An exceptional event is an event beyond reasonable regulatory control which causes an exceedance of a state standard. An exceptional event must be linked to a specific cause such as an act of nature or unusual human activity. As guidance to the states for determining exceptional events, the federal Environmental Protection Agency (EPA) has published Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events, (EPA-450/4-86-007), July 1986 (the EPA Guideline). The EPA Guideline provides overall criteria for determining whether an event is exceptional with regard to the national standards. The executive officer will use the EPA Guideline as a general basis for reviewing ambient data, but will not be bound by the specific definitions in the EPA Guideline for the various types of exceptional events because those definitions are made on a national basis. In addition, since what may be exceptional in one part of the state may be common in another, each possible event will be evaluated on a case-by-case basis.

The steps for identifying an exceptional event are:

1. A district (or the executive officer) identifies questionable data.
2. If a known exceptional event has occurred, the district gathers relevant data to document the occurrence.
3. If an exceptional event is only suspected, the district investigates available data for the possible event.
4. The district submits to the executive officer a request for identifying the data as affected by an exceptional event and also provides supporting documentation.

5. If the executive officer concurs with the district, he/she will identify the data as affected by an exceptional event.
6. If the district's request for identifying data as affected by an exceptional event cannot be supported, the district will be notified of the reasons. The executive officer will consider any additional data to support the request, but in the absence of any new evidence, will disapprove the request.

Unusual Concentration Events

An unusual concentration event is an event which causes an anomalous exceedance of a state standard and which does not qualify as an extreme concentration event or an exceptional event. An exceedance affected by an unusual concentration event may be identified only for an area designated as attainment or unclassified at the time of the exceedance.

The steps for identifying an unusual concentration event are:

1. A district (or the executive officer) identifies a questionable exceedance(s).
2. If the exceedance(s) has not been identified as having been affected by an extreme concentration event or an exceptional event, and if the area was designated as attainment or unclassified at the time of the exceedance(s), the executive officer will review the exceedance(s) to determine whether it was affected by an unusual concentration event.
3. In evaluating a possible unusual concentration event, the executive officer will consider all relevant information, including but not limited to the amount and characteristics of air quality data, emission data, meteorological data, potential public health and welfare impacts, and any applicable state, district, and federal rules and regulations. To identify the exceedance(s) as affected by an unusual concentration event, the executive officer must find, based on the relevant information, that the impact of the exceedance(s) is limited to the local area, the exceedance(s) is not expected to recur, and that the data do not support a nonattainment designation.
4. If the exceedance(s) qualifies as possibly affected by an unusual concentration event, the executive officer will

consult with the district in identifying the exceedance(s) as affected by an unusual concentration event.

5. An area may retain its attainment or unclassified designation based on the identification and exclusion of an exceedance(s) affected by an unusual concentration event for no more than three consecutive years. If the executive officer identifies an exceedance(s) affected by an unusual concentration event in the area in the fourth consecutive year, the area will be redesignated as nonattainment.

NOTE: Authority Cited: sections 39600, 39601, 39607, and 39608, Health and Safety Code. Reference: sections 39607 and 39608, Health and Safety Code.

APPENDIX 3

CRITERIA FOR DETERMINING DATA COMPLETENESS

This Appendix describes the criteria to be used in determining data completeness for the purpose of designating areas as attainment or nonattainment-transitional as described in this Article. The purpose of these data completeness criteria is to specify the minimum data necessary to assure that sampling occurred at times when a violation is most likely to occur.

Complete Data

Data for a site will be complete if there are representative data (as determined in accordance with the Representativeness Criteria in Appendix 1) during the required hours (see below) of the day during the required months (see below) for the required years (see below).

Required Hours

The hours of potentially high concentration must be included. Unless a detailed evaluation determines different hours to be appropriate for a specific site, these hours are:

<u>Pollutant</u>	<u>Hours (PST)</u>
Ozone	9 am - 5 pm
Carbon Monoxide	3 pm - 9 am (next day)
Nitrogen Dioxide	8 am - 8 pm
Visibility Reducing Particles	10 am - 6 pm
Other Pollutants	Throughout day

Required Months

The months of potentially high concentrations must be included. Unless a detailed evaluation determines different months to be appropriate for a specific site, these months are:

<u>Pollutant</u>	<u>Months</u>
Ozone	July - September
Carbon Monoxide	January, November - December
Nitrogen Dioxide	October - December
Sulfur Dioxide	September - December
Sulfates	January, June - December
Lead (Particulate)	January, November - December
Other Pollutants	January - December

Required Years

The number of years to be included is:

- a) Three; or
- b) Two, if during these years the maximum pollutant concentration (not including data found to be affected by a highly irregular or infrequent event under the procedure set forth in Appendix 2) is less than three-fourths the applicable state ambient air quality standard; or
- c) One, if during this year the maximum pollutant concentration (not including data found to be affected by a highly irregular or infrequent event under the procedure set forth in Appendix 2) is less than one-half the applicable state ambient air quality standard.

APPENDIX 4

SCREENING PROCEDURE FOR DETERMINING ATTAINMENT DESIGNATIONS FOR AREAS WITH INCOMPLETE AIR QUALITY DATA

This Appendix describes the screening procedure that will serve as the basis for making a pollutant-specific finding under section 70304(c) that the state ambient air quality standard is being attained for areas with no or an incomplete air quality data record. The procedure is applicable only for nitrogen dioxide, sulfur dioxide, sulfates, and lead (particulate). For those areas with some air quality data for the prior three years, the screening procedure will be applied for a pollutant only if the maximum concentrations of that pollutant in the area did not exceed 75 percent of the state standard(s).

<u>Pollutant</u>		<u>Screening Parameters</u>	<u>Screening Values</u>
Nitrogen Dioxide	a)	Basin Population	1,000,000 people
	b)	Total Annual NO _x Emissions in Air Basin	40,000 tons/yr
	c)	Total Annual Point Source NO _x Emissions in County	2,100 tons/yr
Sulfur Dioxide	a)	Total Annual Point Source SO _x emissions in County	1,700 tons/yr
	b)	Maximum Annual SO _x Emissions from Single Facility in County	900 tons/yr
Sulfates	a)	Total Annual SO _x Emissions in Air Basin	19,000 tons/yr
	b)	Total Annual Point Source SO _x Emissions in County	1,700 tons/yr
	c)	Maximum Annual SO _x Emissions from Single Facility in County	900 tons/yr
Lead	a)	County Population	600,000 people
	b)	Maximum Annual Lead Emissions from Single Facility in County	0.5 tons/yr

For an area to which these values are applied, the local values of the applicable screening parameters will be compared to the respective screening values. The area will be presumed to be attainment if none of the applicable screening parameters for a pollutant exceed the associated screening values.

[This page intentionally left blank]

ATTACHMENT C**MAPS AND TABLES
OF THE AREA DESIGNATIONS FOR
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS**

[This page intentionally left blank]

ATTACHMENT C
MAPS AND TABLES
OF THE AREA DESIGNATIONS FOR
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

INTRODUCTION

This attachment fulfills the requirement of Health and Safety Code, section 40718 for the Air Resources Board (the Board) to publish maps that identify where one or more violations of any State or federal ambient air quality standard have been measured. Federal standards are the National Ambient Air Quality Standards promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

The attachment is divided into three sections. Section A details the levels and specific requirements of both the State and the National Ambient Air Quality Standards.

Section B contains maps and tables showing the area designations for each pollutant for which there is a State ambient air quality standard (State standard). These maps and summary tables reflect the proposed amendments to the area designations that the Board will consider in 2000, pursuant to Health and Safety Code section 39608. An attainment designation indicates that pollutant concentrations in the area did not violate the State standard for that pollutant, excluding exceedances affected by highly irregular or infrequent events as defined in Appendix 2 to the designation criteria. A nonattainment designation indicates that a pollutant concentration did violate the State standard at least once during the previous three calendar years. Again, exceedances affected by highly irregular or infrequent events are not considered as violations. An unclassified designation indicates that air quality and other relevant information is insufficient to determine whether the area is attainment or nonattainment. In addition to these three major designation categories, there is a subcategory of the nonattainment designation called nonattainment-transitional. This subcategory applies to nonattainment areas that are close to attainment and meet other conditions as specified in the designation criteria.

Section C contains maps and summary tables showing the most current area designations for each pollutant for which there is a national ambient air quality standard (national standard). These area designations have been promulgated as final by the United States Environmental Protection Agency (U.S. EPA) based on the requirements in section 107(d) of the Clean Air Act as amended in 1990 (42 U.S.C. 7407(d)). The national designations are made by the U.S. EPA on a different review schedule than the designations for the State standards. Further information on the area designations for the national standards may be obtained by contacting the U.S. EPA, or visiting the

agency's air quality maps web site at:
http://www.epa.gov/region09/air/maps/maps_top.html.

The maps in Sections B and C will also be available at this ARB web site:
<http://www.arb.ca.gov/desig/adm/adm.htm>.

A. State and National Ambient Air Quality Standards

The Board has adopted and the U.S. EPA has promulgated ambient air quality concentration levels that define good air quality. These levels are the ambient air quality standards and were established to protect human health and/or welfare. The levels of the State and national standards may differ because the Board and the U.S. EPA considered different bodies of information, and the Board chose to provide a wider margin of safety in the State standards than did the U.S. EPA in the national standards.

An ambient air quality standard is a concentration level expressed in either parts per million or micrograms per cubic meter and averaged over a specific time period such as one-hour, eight-hours, 24-hours, or one-year. The different averaging times and concentrations are meant to protect against different exposure effects. Some ambient air quality standards are expressed as a concentration that is not to be exceeded. Others are expressed as a concentration that is not to be equaled or exceeded.

The national standards are further categorized as primary standards and secondary standards. The primary national standards are meant to protect public health. The secondary national standards are meant to protect the public welfare from any known or anticipated adverse effects of the pollutant.

The following table lists the applicable pollutant levels, averaging times, and analytical measurement methods for both the State standards and the national standards, including the new national ozone, PM₁₀, and PM_{2.5} standards promulgated by the U.S. EPA in July 1997. Because these new national standards are the subject of ongoing legal challenges and their status may change due to future court proceedings, interested persons should contact U.S. EPA for the current status of the new standards, or visit its web site at: <http://ttnwww.rtpnc.epa.gov/naaqsfin>.

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ¹		Federal Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	0.12 ppm (235 µg/m ³)	Same as Primary Standard	Ethylene Chemiluminescence
	8 Hour	—	—	0.08 ppm (157 µg/m ³)	—	—
Respirable Particulate Matter (PM ₁₀)	Annual Geometric Mean	30 µg/m ³	Size Selective Inlet Sampler ARB Method P (8/22/85)	—	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	24 Hour	50 µg/m ³		150 µg/m ³		
	Annual Arithmetic Mean	—		50 µg/m ³		
Fine Particulate Matter (PM _{2.5})	24 Hour	No Separate State Standard		65 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean			15 µg/m ³		
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	Non-dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m ³)	None	Non-dispersive Infrared Photometry (NDIR)
	24 Hour	20 ppm (23 mg/m ³)		35 ppm (40 mg/m ³)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—		
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	—	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m ³)	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.25 ppm (470 µg/m ³)		—		
Lead	30 days average	1 µg/m ³	AIHL Method 54 (12/74) Atomic Absorption	—	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		—		
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean	—	Fluorescence	0.030 ppm (80 µg/m ³)	—	Pararosaniline
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (365 µg/m ³)	—	
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	1 Hour	0.25 ppm (655 µg/m ³)		—	—	
Visibility Reducing Particles	8 Hour (10 am to 6 pm PST)	In sufficient amount to produce an extinction coefficient of 0.23 per kilometer. Visibility of ten miles or more (0.07—30 miles or more for Lake Tahoe) due to particles when the relative humidity is less than 70 percent. Method: ARB Method V (8/18/89)		No Federal Standards		
Sulfates	24 Hour	25 µg/m ³	Turbidimetric Barium Sulfate-AIHL Method 61 (2/76)			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Cadmium Hydroxide STRactan			

See footnotes on next page...

1. California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended particulate matter—PM₁₀, and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

In addition, Section 70200.5 lists vinyl chloride (chloroethene) under "Ambient Air Quality Standards for Hazardous Substances." In 1978, the California Air Resources Board (ARB) adopted the vinyl chloride standard of 0.010 ppm (26 µg/m³) averaged over a 24-hour period and measured by gas chromatography. The standard notes that vinyl chloride is a "known human and animal carcinogen" and that "low-level effects are undefined, but are potentially serious. Level is not a threshold level and does not necessarily protect against harm. Level specified is lowest level at which violation can be reliably detected by the method specified. Ambient concentrations at or above the standard constitute an endangerment to the health of the public."

In 1990, the ARB identified vinyl chloride as a Toxic Air Contaminant and determined that there was not sufficient available scientific evidence to support the identification of a threshold exposure level. This action allows the implementation of health-protective control measures at levels below the 0.010 ppm ambient concentration specified in the 1978 standard.

2. National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. For PM_{2.5}, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact U.S. EPA for further clarification and current federal policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25 °C and a reference pressure of 760 mm of mercury. Most measurements of air quality are to be corrected to a reference temperature of 25 °C and a reference pressure of 760 mm of mercury (1,013.2 millibar); ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent procedure which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
8. New federal 8-hour ozone and fine particulate matter standards were promulgated by U.S. EPA on July 18, 1997. The federal 1-hour ozone standard continues to apply in areas that violated the standard. Contact U.S. EPA for further clarification and current federal policies.

B. Area Designations for the State Ambient Air Quality Standards

This section contains a description of the area designations for each pollutant for which there is a State ambient air quality standard listed in the California Code of Regulations, title 17, section 70200. The information presented reflects the proposed amendments to the area designations that the Board will consider in 2000.

The area designations for each pollutant are presented in the form of a map and a summary table. Areas are identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NT
Unclassified	U

Generally, the Board designates areas by air basin or county. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, the Board may designate a smaller area. Generally, when the boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

FIGURE 1

Area Designations for State Ambient Air Quality Standards OZONE

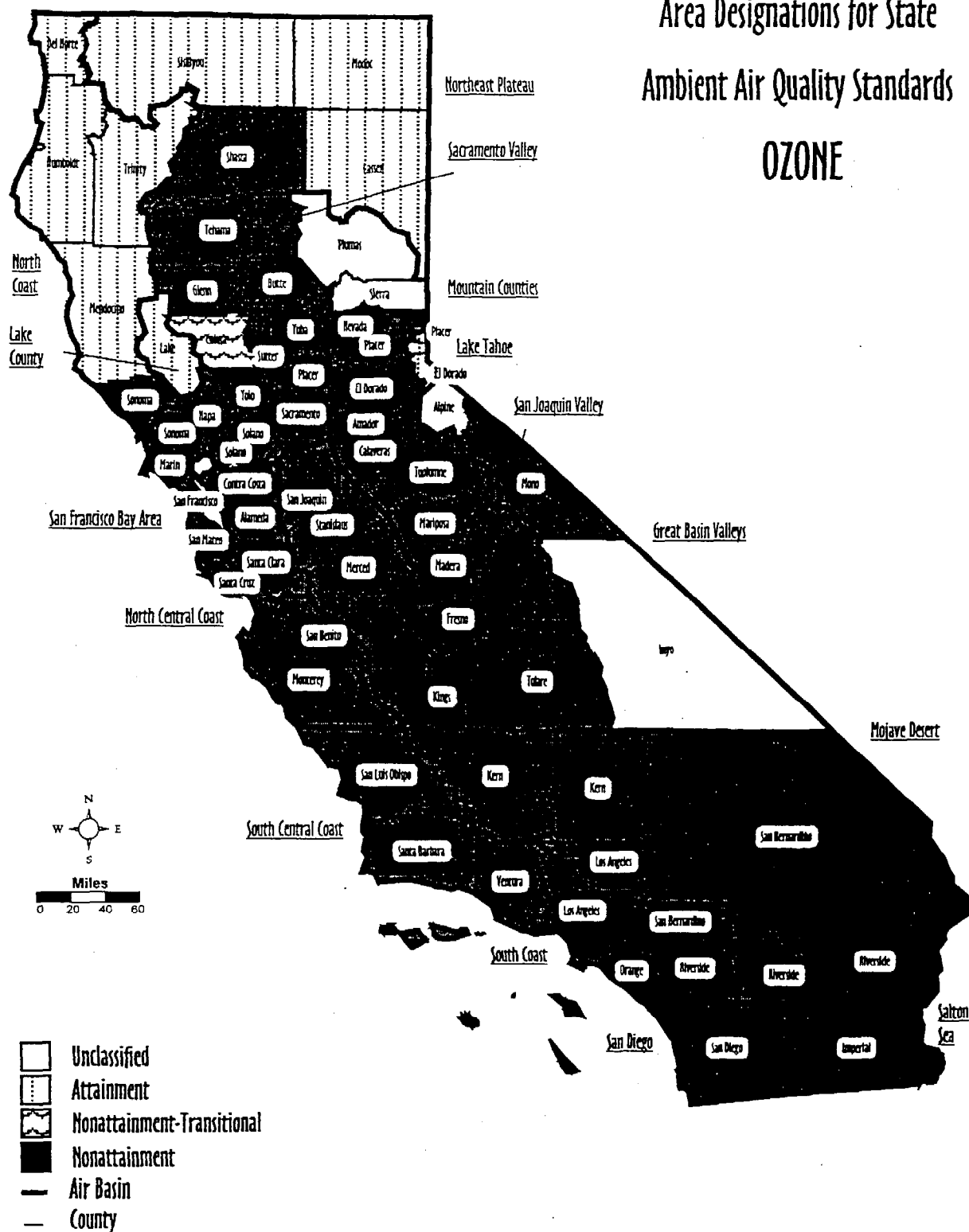


TABLE 1

**California Ambient Air Quality Standards
Area Designations for Ozone**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN					GREAT BASIN VALLEYS AIR BASIN CONT.				
Sonoma County (NCAB portion)	X				Mono County	X			
Remainder of NCAB				X	MOJAVE DESERT AIR BASIN	X			
SAN FRANCISCO BAY AREA AIR BASIN	X				SALTON SEA AIR BASIN	X			
NORTH CENTRAL COAST AIR BASIN	X				MOUNTAIN COUNTIES AIR BASIN (MCAB)				
SOUTH CENTRAL COAST AIR BASIN	X				Amador County	X			
SOUTH COAST AIR BASIN	X				Calaveras County	X			
SAN DIEGO AIR BASIN	X				El Dorado County (MCAB portion)	X			
NORTHEAST PLATEAU AIR BASIN				X	Mariposa County	X			
SACRAMENTO VALLEY AIR BASIN					Nevada County	X			
Colusa County (1)		X			Placer County (MCAB portion)	X			
Remainder of SVAB	X				Plumas County			X	
SAN JOAQUIN VALLEY AIR BASIN	X				Sierra County			X	
GREAT BASIN VALLEYS AIR BASIN					Tuolumne County	X			
Alpine County			X		LAKE COUNTY AIR BASIN				X
Inyo County			X		LAKE TAHOE AIR BASIN				X

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows by operation of law districts to become nonattainment-transitional for ozone.

FIGURE 2

Area Designations for State Ambient Air Quality Standards CARBON MONOXIDE

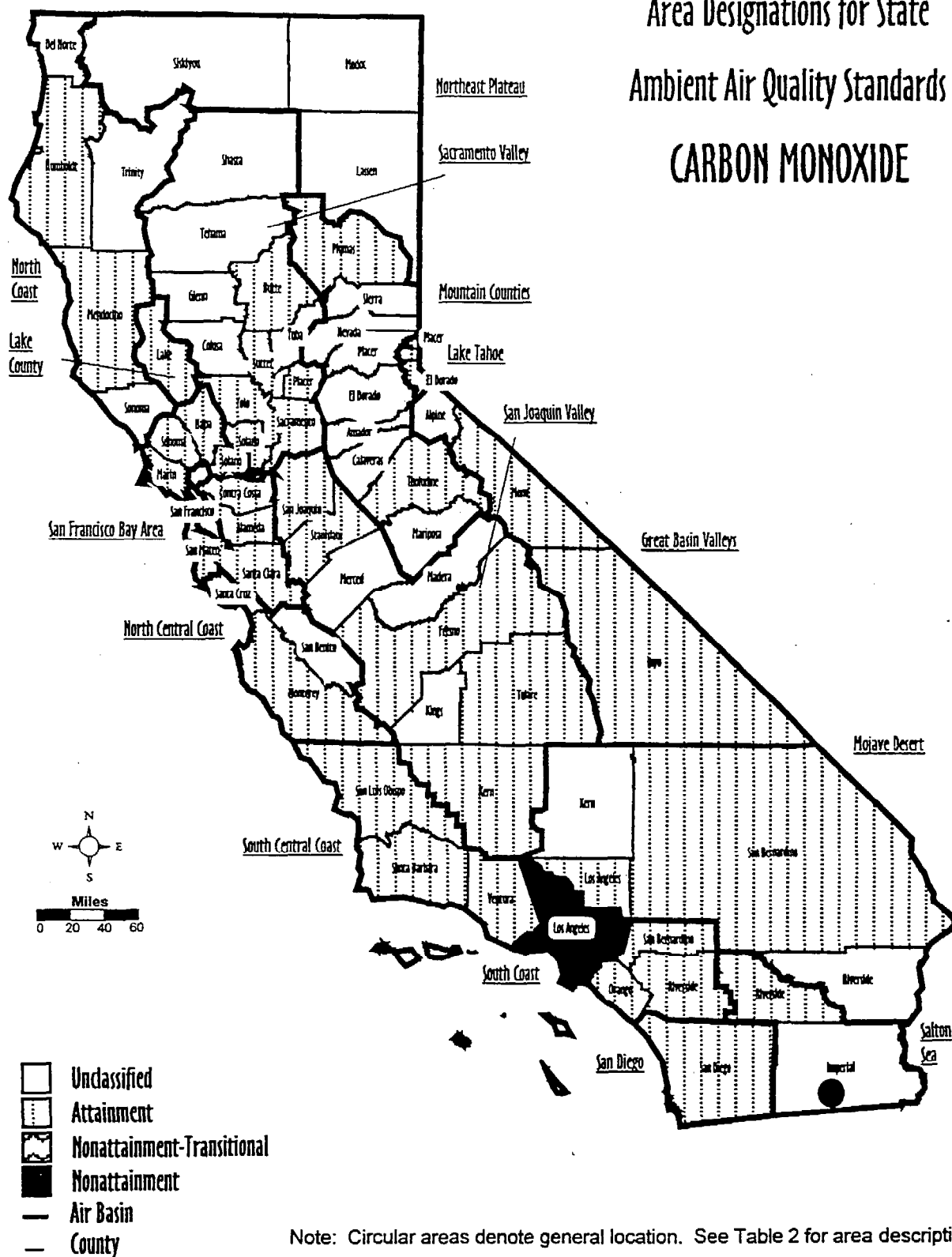


TABLE 2

**California Ambient Air Quality Standards
Area Designations for Carbon Monoxide ***

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN (NCAB)					SAN JOAQUIN VALLEY AIR BASIN CONT.				
Del Norte County			X		Kings County			X	
Humboldt County				X	Madera County			X	
Mendocino County				X	Merced County			X	
Sonoma County (NCAB portion)			X		San Joaquin County				X
Trinity County			X		Stanislaus County				X
SAN FRANCISCO BAY AREA AIR BASIN				X	Tulare County				X
NORTH CENTRAL COAST AIR BASIN					GREAT BASIN VALLEYS AIR BASIN				
Monterey County				X	Alpine County			X	
San Benito County			X		Inyo County				X
Santa Cruz County			X		Mono County				X
SOUTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN (MDAB)				
SOUTH COAST AIR BASIN (SoCAB)					Kern County (MDAB portion)			X	
Los Angeles County (SoCAB portion)	X				Los Angeles County (MDAB portion)				X
Orange County				X	Riverside County (MDAB portion)			X	
Riverside County (SoCAB portion)				X	San Bernardino County (MDAB portion)				X
San Bernardino County (SoCAB portion)				X	SALTON SEA AIR BASIN (SSAB)				
SAN DIEGO AIR BASIN				X	Imperial County				
NORTHEAST PLATEAU AIR BASIN			X		-City of Calexico (1)	X			
SACRAMENTO VALLEY AIR BASIN (SVAB)					-Remainder of County			X	
Butte County				X	Riverside County (SSAB portion)				X
Colusa County			X		MOUNTAIN COUNTIES AIR BASIN (MCAB)				
Glenn County			X		Amador County			X	
Placer County (SVAB portion)				X	Calaveras County			X	
Sacramento County				X	El Dorado County (MCAB portion)			X	
Shasta County			X		Mariposa County			X	
Solano County (SVAB portion)				X	Nevada County			X	
Sutter County				X	Placer County (MCAB portion)			X	
Tehama County			X		Plumas County				X
Yolo County				X	Sierra County			X	
Yuba County			X		Tuolumne County				X
SAN JOAQUIN VALLEY AIR BASIN (SJVAB)					LAKE COUNTY AIR BASIN				X
Fresno County				X	LAKE TAHOE AIR BASIN (LTAB)				X
Kern County (SJVAB portion)				X					

* The area designated for carbon monoxide is a county or portion of a county.
(1) Section 60200(a).

Area Designations for State Ambient Air Quality Standards NITROGEN DIOXIDE

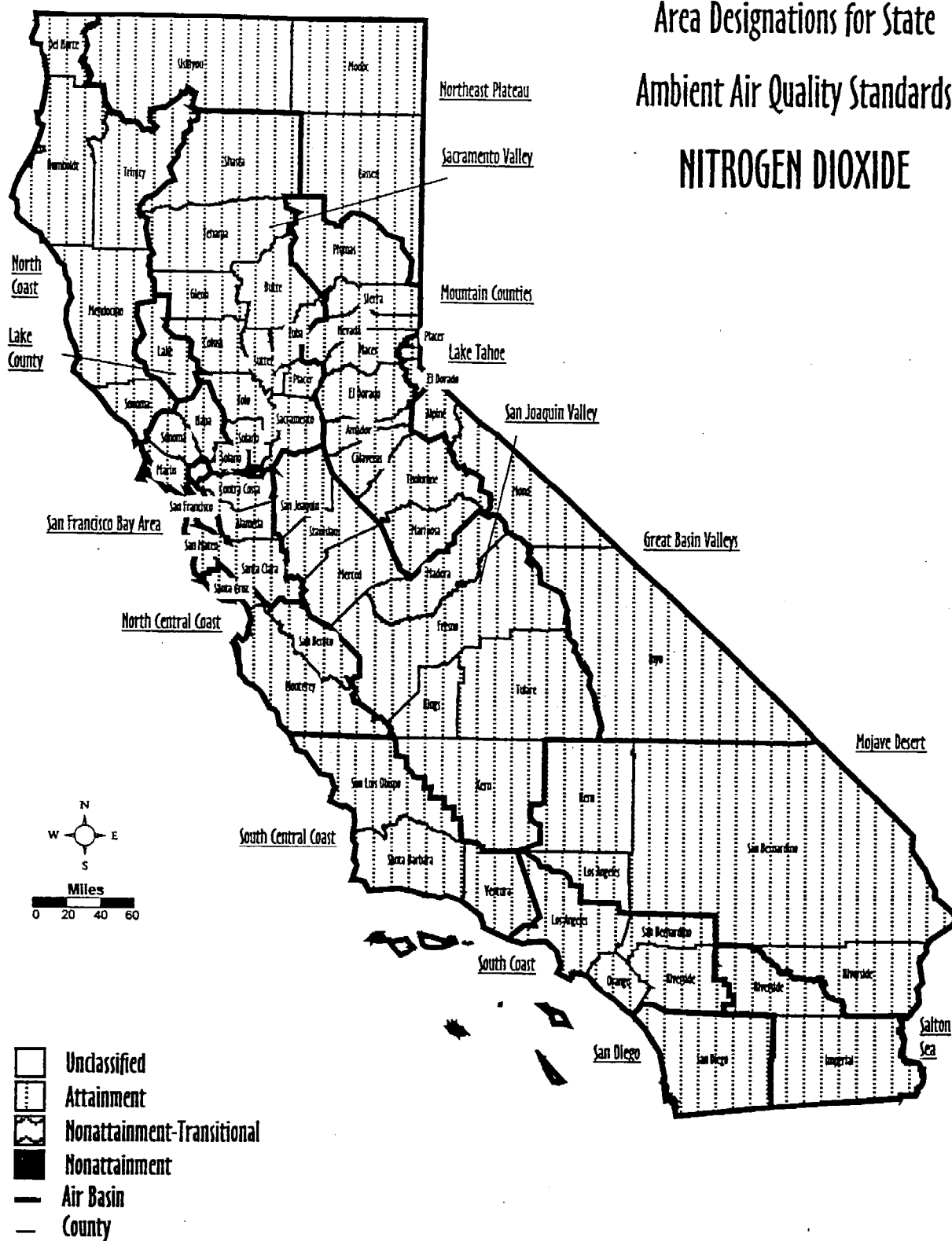


TABLE 3

**California Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	SAN JOAQUIN VALLEY AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
NORTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN				X
SOUTH CENTRAL COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SOUTH COAST AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
SAN DIEGO AIR BASIN				X	LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X					

Area Designations for State Ambient Air Quality Standards SULFUR DIOXIDE

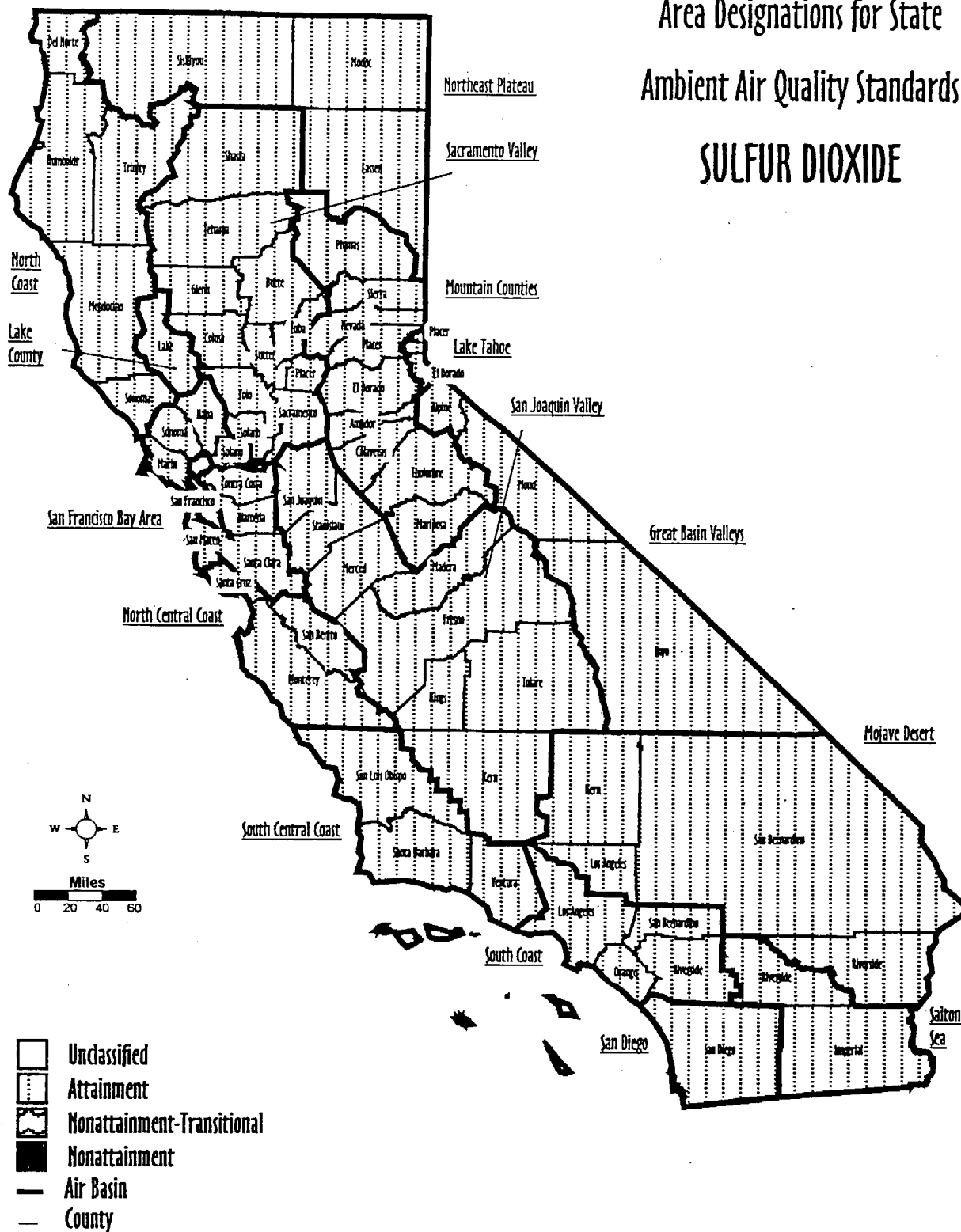


TABLE 4

**California Ambient Air Quality Standards
Area Designations for Sulfur Dioxide***

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	SAN JOAQUIN VALLEY AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
NORTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN				X
SOUTH CENTRAL COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SOUTH COAST AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
SAN DIEGO AIR BASIN				X	LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X					

* The area designated for sulfur dioxide is a county or portion of a county.

FIGURE 5

Area Designations for State Ambient Air Quality Standards PM 10

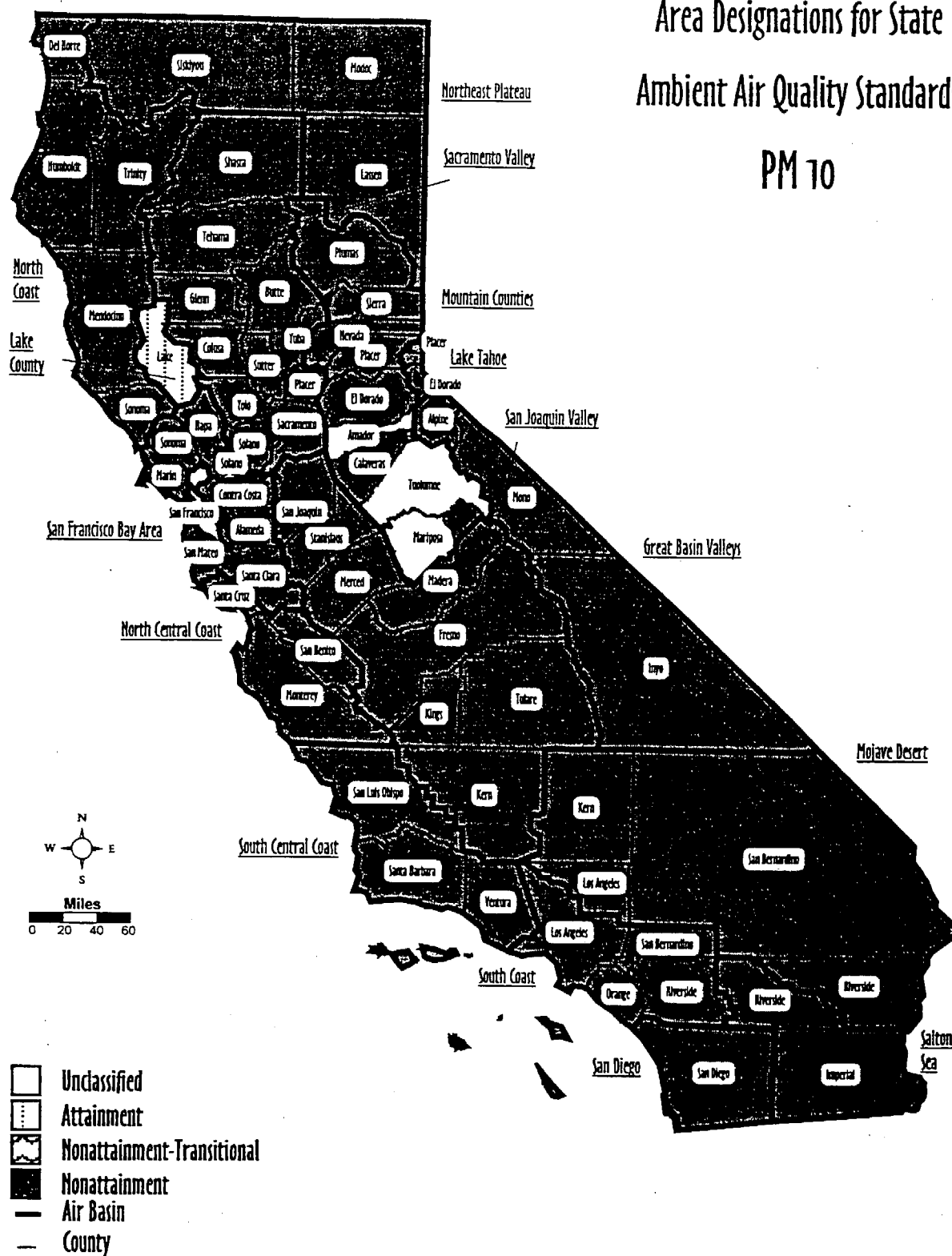


TABLE 5

**California Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM₁₀)**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN	X				MOUNTAIN COUNTIES AIR BASIN (MCAB) CONT.				
SAN FRANCISCO BAY AREA AIR BASIN	X				Calaveras County	X			
NORTH CENTRAL COAST AIR BASIN	X				El Dorado County (MCAB portion)	X			
SOUTH CENTRAL COAST AIR BASIN	X				Mariposa County				
SOUTH COAST AIR BASIN	X				-Yosemite National Park	X			
SAN DIEGO AIR BASIN	X				-Remainder of County			X	
NORTHEAST PLATEAU AIR BASIN	X				Nevada County	X			
SACRAMENTO VALLEY AIR BASIN	X				Placer County (MCAB portion)	X			
SAN JOAQUIN VALLEY AIR BASIN	X				Plumas County	X			
GREAT BASIN VALLEYS AIR BASIN	X				Sierra County	X			
MOJAVE DESERT AIR BASIN	X				Tuolumne County			X	
SALTON SEA AIR BASIN	X				LAKE COUNTY AIR BASIN				X
MOUNTAIN COUNTIES AIR BASIN (MCAB)					LAKE TAHOE AIR BASIN	X			
Amador County			X						

FIGURE 6

Area Designations for State Ambient Air Quality Standards SULFATES

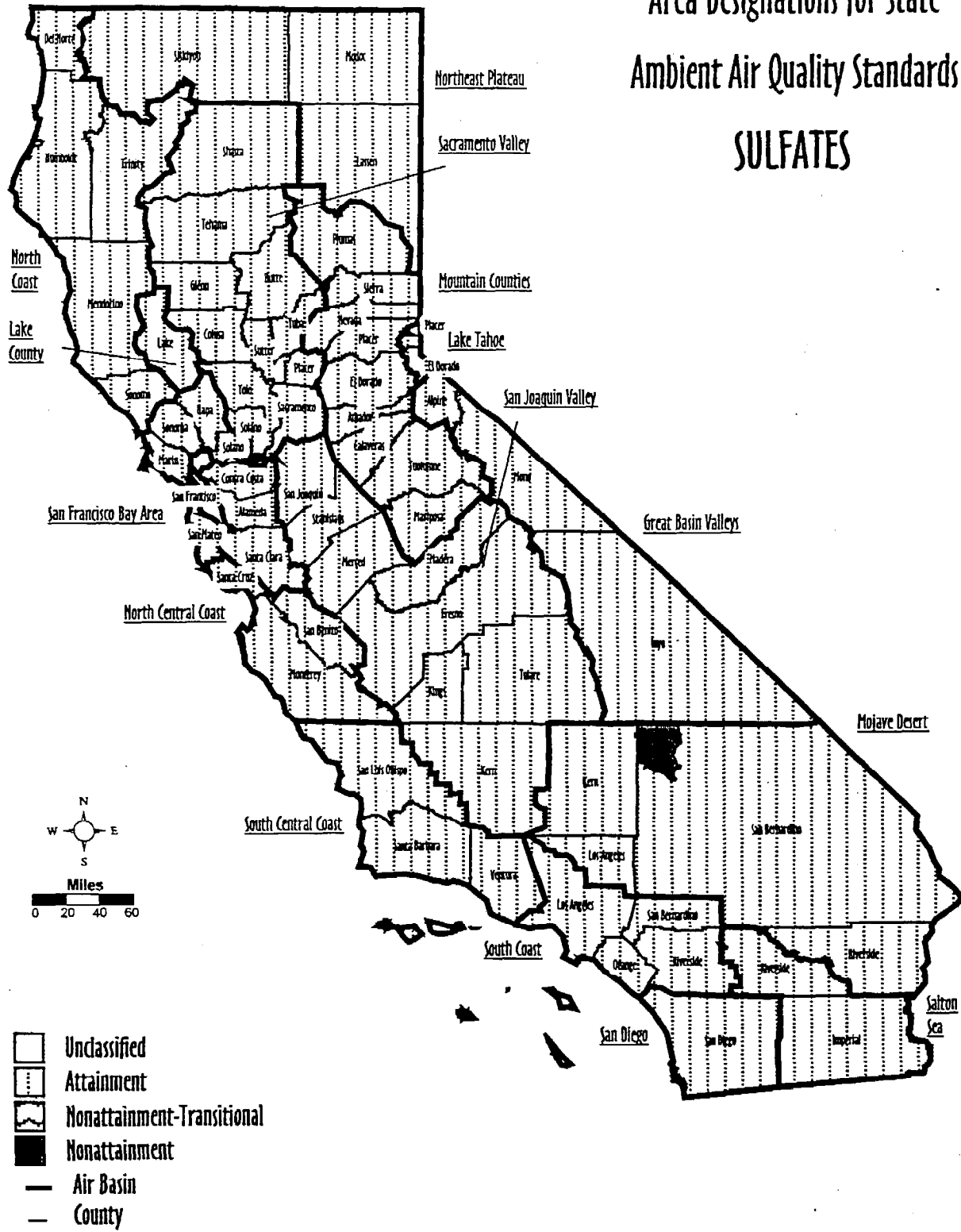


TABLE 6

**California Ambient Air Quality Standards
Area Designations for Sulfates**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	MOJAVE DESERT AIR BASIN (MDAB)				
NORTH CENTRAL COAST AIR BASIN				X	-Searles Valley Planning Area (1)	X			
SOUTH CENTRAL COAST AIR BASIN				X	-Remainder of Air Basin				X
SOUTH COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SAN DIEGO AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE COUNTY AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SAN JOAQUIN VALLEY AIR BASIN				X					

(1) 52 Federal Register 29384 (August 7, 1987)

TABLE 7

**California Ambient Air Quality Standards
Area Designations for Lead (particulate) ***

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	SAN JOAQUIN VALLEY AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
NORTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN				X
SOUTH CENTRAL COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SOUTH COAST AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
SAN DIEGO AIR BASIN				X	LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X					

* The area designated for lead is a county or portion of a county.

FIGURE 8

Area Designations for State Ambient Air Quality Standards HYDROGEN SULFIDE

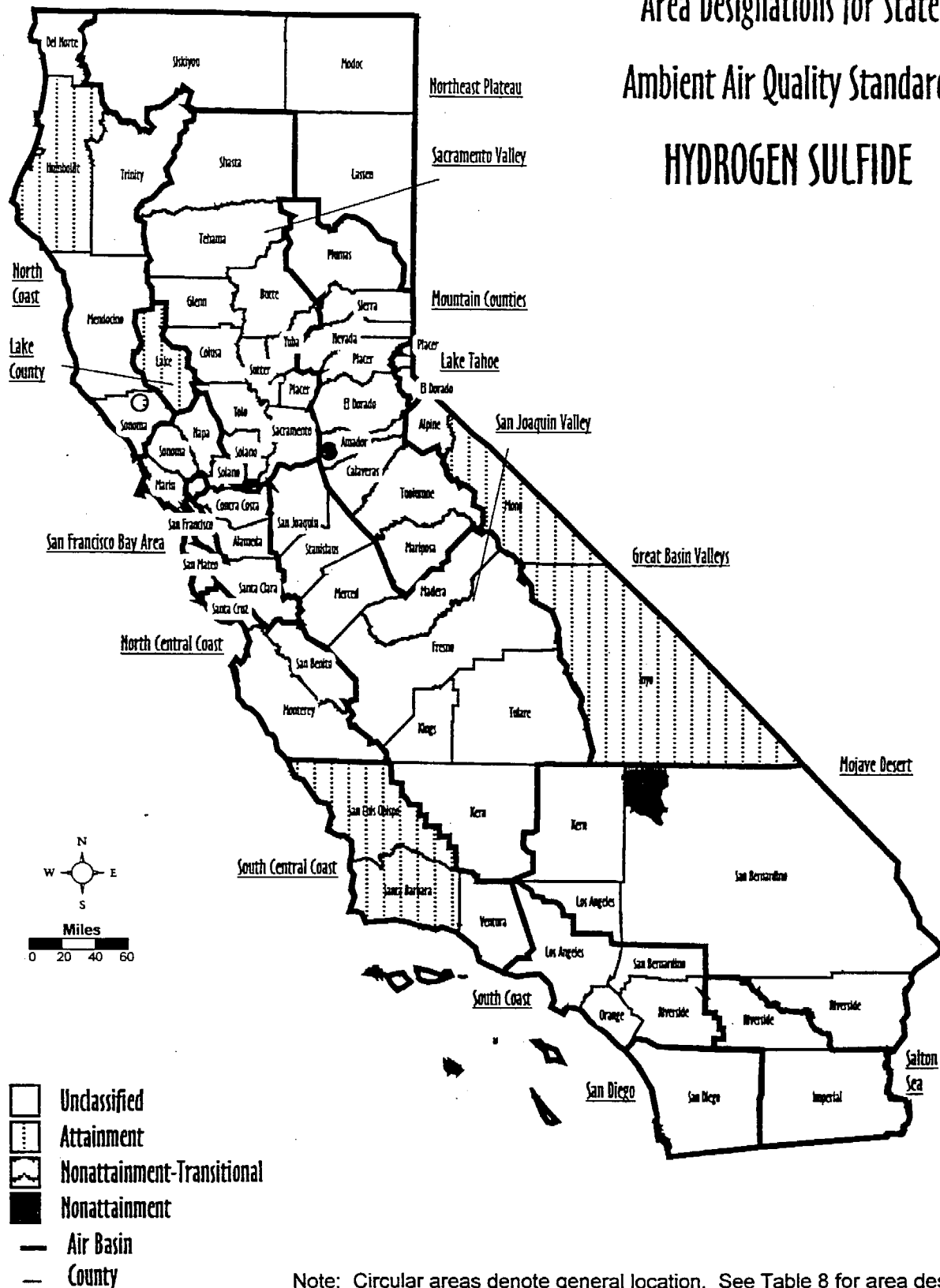


TABLE 8

**California Ambient Air Quality Standards
Area Designations for Hydrogen Sulfide ***

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN (NCAB)					MOJAVE DESERT AIR BASIN (MDAB)				
Del Norte County			X		Kern County (MDAB portion)			X	
Humboldt County				X	Los Angeles County (MDAB portion)			X	
Mendocino County			X		Riverside County (MDAB portion)			X	
Sonoma County (NCAB portion)					San Bernardino County (MDAB portion)				
-Geyser Geothermal Area (1)				X	-Searles Valley Planning Area (2)	X			
-Remainder of County			X		-Remainder of County			X	
Trinity County			X		SALTON SEA AIR BASIN			X	
SAN FRANCISCO BAY AREA AIR BASIN			X		MOUNTAIN COUNTIES AIR BASIN (MCAB)				
NORTH CENTRAL COAST AIR BASIN			X		Amador County				
SOUTH CENTRAL COAST AIR BASIN					-City of Sutter Creek	X			
San Luis Obispo County				X	-Remainder of County			X	
Santa Barbara County				X	Calaveras County			X	
Ventura County			X		El Dorado County (MCAB portion)			X	
SOUTH COAST AIR BASIN			X		Mariposa County			X	
SAN DIEGO AIR BASIN			X		Nevada County			X	
NORTHEAST PLATEAU AIR BASIN			X		Placer County (MCAB portion)			X	
SACRAMENTO VALLEY AIR BASIN			X		Plumas County			X	
SAN JOAQUIN VALLEY AIR BASIN			X		Sierra County			X	
GREAT BASIN VALLEYS AIR BASIN					Tuolumne County			X	
Alpine County			X		LAKE COUNTY AIR BASIN				X
Mono County				X	LAKE TAHOE AIR BASIN			X	
Inyo County				X					

(1) California Code of Regulations, title 17, section 60200(d)

(2) 52 Federal Register 29384 (August 7, 1987)

* The area designated for hydrogen sulfide is a county or portion of a county.

Area Designations for State Ambient Air Quality Standards VISIBILITY REDUCING PARTICLES



TABLE 9

**California Ambient Air Quality Standards
Area Designations for Visibility Reducing Particles**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
SAN FRANCISCO BAY AREA AIR BASIN			X		GREAT BASIN VALLEYS AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		MOJAVE DESERT AIR BASIN			X	
SOUTH CENTRAL COAST AIR BASIN			X		SALTON SEA AIR BASIN			X	
SOUTH COAST AIR BASIN			X		MOUNTAIN COUNTIES AIR BASIN			X	
SAN DIEGO AIR BASIN			X		LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN			X		LAKE TAHOE AIR BASIN			X	
SACRAMENTO VALLEY AIR BASIN			X						

C. Area Designations for the National Ambient Air Quality Standards

This section contains a description of the area designations for each pollutant for which there is a national ambient air quality standard, except lead. The national lead standard was promulgated after the Federal Clean Air Act was amended in 1977; and in promulgating the national lead standard, the United States Environmental Protection Agency (U.S. EPA) did not require areas to be designated in a manner similar to other pollutants. The area designations for each pollutant are presented in the form of a map and a summary table.

The U.S. EPA uses two categories to designate areas with respect to ozone, carbon monoxide, and nitrogen dioxide. These designation categories are:

- Does not meet primary standards, and
- Cannot be classified or better than national standards.

Areas that do not meet the primary national standards for these pollutants are indicated on the following maps and summary tables as "N" for nonattainment. Areas that cannot be classified or are better than the national standards are indicated as "U/A" for unclassified/attainment.

In addition, with the promulgation of the new national eight-hour ozone standard in July 1997, the previous one-hour ozone standard was declared by the U.S. EPA on June 5, 1998, as no longer applicable to a number of areas in California (63 Fed. Reg. 31,014). However, in response to legal challenges to the 1997 standards, U.S. EPA redesignated the areas for the one-hour ozone standard. See 65 FR 45,182 (July 20, 2000).

The U.S. EPA uses four categories to designate areas with respect to sulfur dioxide. These designation categories are:

- Does not meet the primary standards,
- Does not meet the secondary standards,
- Cannot be classified, and
- Better than the national standards.

In California, the first two designation categories listed above are not applicable because all areas of California either meet the primary and secondary standards or are unclassifiable. The map and summary table for sulfur dioxide show areas that cannot be classified as "U" for unclassifiable and areas that are better than the national standards as "A" for attainment.

Finally, the U.S. EPA uses two categories to designate areas with respect to suspended particulate matter (PM₁₀). These designation categories are:

- Nonattainment, and
- Unclassifiable.

The map and summary tables for the national PM₁₀ standards indicate "N" for areas designated as nonattainment and "U" for areas that are unclassifiable.

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. The Board generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations for California. For purposes of consistency, all maps in this attachment reflect the current air basin boundaries as adopted by the Board. For example, the maps show the western portion of Placer County as being in the Sacramento Valley Air Basin while the national area designations, based on previous information, identify the western portion of Placer County as being in the Mountain Counties Air Basin. Also, while the national area designations reflect the former Southeast Desert Air Basin, the maps in this section show the new Mojave Desert and Salton Sea Air Basins (which together replace the Southeast Desert Air Basin), as established by the Board in 1996 in accordance with H&SC, section 39606.1. Nevertheless, the maps and summary tables in this section reflect the area designations as promulgated by the U.S. EPA.

Area designations shown in these maps and tables are based on national standards in existence prior to U.S. EPA's promulgation of new national ozone, PM₁₀, and PM_{2.5} standards in July 1997. Area designations for the new standards are not expected for several years and may depend on the outcome of current legal challenges to the standards. As the U.S. EPA makes changes to the designations, these maps and summary tables will be updated.

TABLE 10

**National Ambient Air Quality Standards
Area Designations for Ozone¹**

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN	X		MOJAVE DESERT AIR BASIN (MDAB)		
NORTH CENTRAL COAST AIR BASIN		X	Kern County (MDAB portion)	X	
SOUTH CENTRAL COAST AIR BASIN			Los Angeles County (MDAB portion)	X	
San Luis Obispo County		X	Riverside County (MDAB portion)		X
Santa Barbara County	X		San Bernardino County (MDAB portion)		
Ventura County	X		-Western portion	X	
Channel Islands (2)		X	-Eastern portion		X
SOUTH COAST AIR BASIN	X		SALTON SEA AIR BASIN (SSAB)		
SAN DIEGO AIR BASIN	X		Imperial County	X	
NORTHEAST PLATEAU AIR BASIN		X	Riverside County (SSAB portion)		
SACRAMENTO VALLEY AIR BASIN (SVAB)			-AQMA portion	X	
Butte County		X	-Remainder of area		X
Colusa County		X	MOUNTAIN COUNTIES AIR BASIN (MCAB)		
Glenn County		X	Amador County		X
Placer County (SVAB portion)(3)	X		Calaveras County		X
Sacramento County	X		El Dorado County (MCAB portion)(3)	X	
Shasta County		X	Mariposa County		X
Solano County (SVAB portion)(3)	X		Nevada County		X
Sutter County (north)		X	Placer County (MCAB portion)(3)	X	
Sutter County (south) (3)	X		Plumas County		X
Tehama County		X	Sierra County		X
Yolo County	X		Tuolumne County		X
Yuba County		X	LAKE COUNTY AIR BASIN		X
SAN JOAQUIN VALLEY AIR BASIN	X		LAKE TAHOE AIR BASIN		X

(1) U.S. EPA reinstituted the 1-hour ozone standard. See 65 Fed. Reg. 45,182 (July 20, 2000).

(2) Channel Islands National Monument:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa Island.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County and therefore, are included as part of the South Coast Air Basin. San Nicolas is not part of the Channel Islands National Monument. It is considered part of Ventura County.

(3) The Sacramento Metropolitan Area (SVA AQMA) includes: all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, all of El Dorado and Placer Counties except for the Lake Tahoe Air Basin portions, and the southern portion of Sutter County (56 Fed. Reg. 56,728 (November 6, 1991)).

TABLE 11

**National Ambient Air Quality Standards
Area Designations for Carbon Monoxide**

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	MOJAVE DESERT AIR BASIN		X
SOUTH CENTRAL COAST AIR BASIN		X	SALTON SEA AIR BASIN		X
SOUTH COAST AIR BASIN	X		MOUNTAIN COUNTIES AIR BASIN		X
SAN DIEGO AIR BASIN		X	LAKE COUNTY AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	LAKE TAHOE AIR BASIN		X
SACRAMENTO VALLEY AIR BASIN		X			

FIGURE 12

Area Designations for National Ambient Air Quality Standards

NITROGEN DIOXIDE



TABLE 12

**National Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide**

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	MOJAVE DESERT AIR BASIN		X
SOUTH CENTRAL COAST AIR BASIN		X	SALTON SEA AIR BASIN		X
SOUTH COAST AIR BASIN		X	MOUNTAIN COUNTIES AIR BASIN		X
SAN DIEGO AIR BASIN		X	LAKE COUNTY AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	LAKE TAHOE AIR BASIN		X
SACRAMENTO VALLEY AIR BASIN		X			

FIGURE 13

Area Designations for National
Ambient Air Quality Standards
SULFUR DIOXIDE



TABLE 13

**National Ambient Air Quality Standards
Area Designations for Sulfur Dioxide ¹**

	A	U		A	U
NORTH COAST AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN CONT.		
SAN FRANCISCO BAY AREA AIR BASIN	X		Kings County		X
NORTH CENTRAL COAST AIR BASIN		X	Madera County		X
SOUTH CENTRAL COAST AIR BASIN			Merced County		X
San Luis Obispo County		X	San Joaquin County		X
Santa Barbara County		X	Stanislaus County		X
Ventura County	X		Tulare County		X
Channel Islands (2)		X	GREAT BASIN VALLEYS AIR BASIN		X
SOUTH COAST AIR BASIN	X		MOJAVE DESERT AIR BASIN		X
SAN DIEGO AIR BASIN	X		SALTON SEA AIR BASIN (SSAB)		
NORTHEAST PLATEAU AIR BASIN		X	Imperial County	X	
SACRAMENTO VALLEY AIR BASIN		X	Riverside County (SSAB portion)		X
SAN JOAQUIN VALLEY AIR BASIN (SJVAB)			MOUNTAIN COUNTIES AIR BASIN		X
Fresno County		X	LAKE COUNTY AIR BASIN		X
Kern County (SJVAB portion)	X		LAKE TAHOE AIR BASIN	X	

(1) There are no nonattainment areas in California.

(2) Channel Islands National Monument:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa Island.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County and therefore, are included as part of the South Coast Air Basin. San Nicolas is not part of the Channel Islands National Monument. It is considered as part of Ventura County.

FIGURE 14

Area Designations for National Ambient Air Quality Standards

PM₁₀

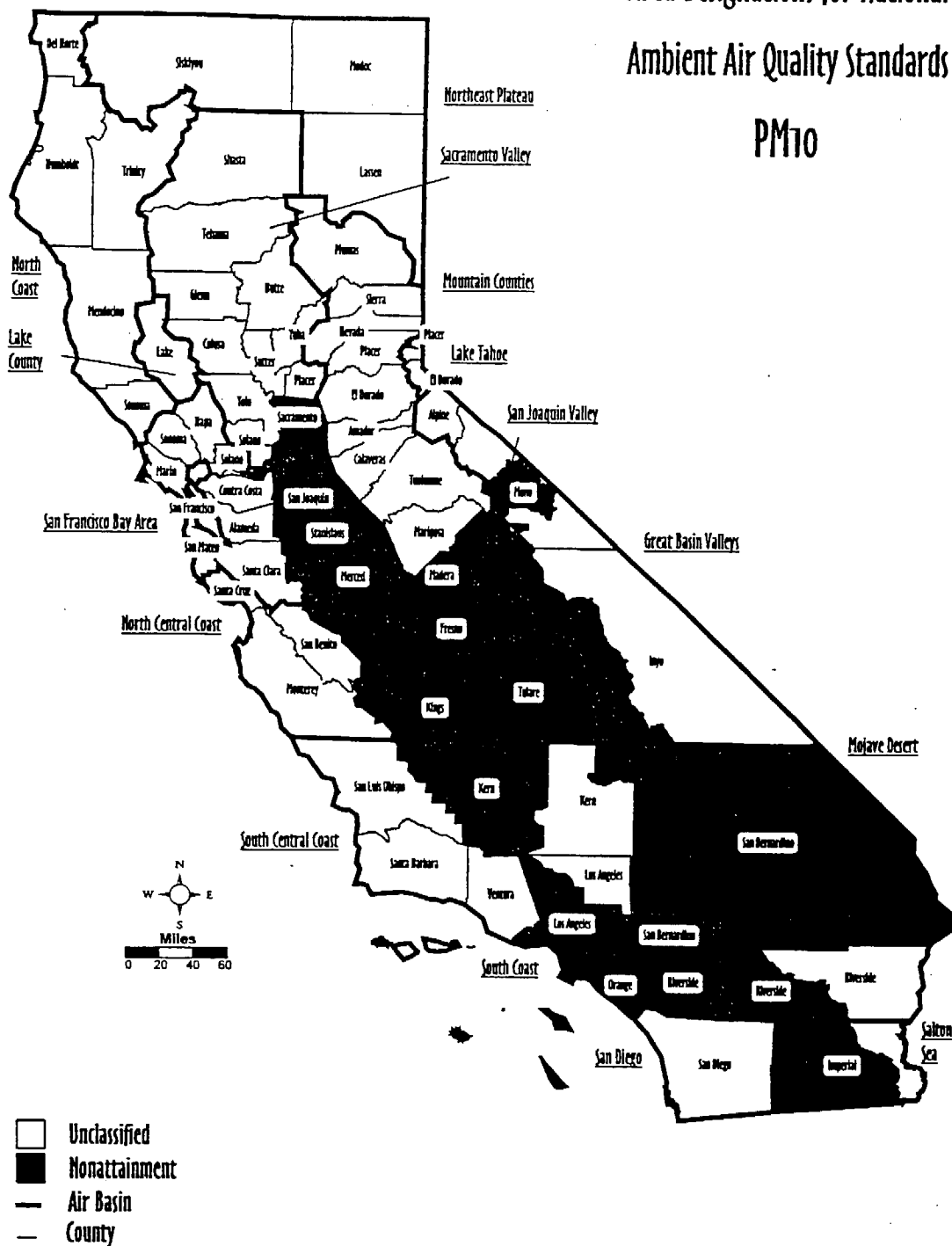


TABLE 14

**National Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM₁₀)**

	N	U		N	U
NORTH COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN CONT.		
SAN FRANCISCO BAY AREA AIR BASIN		X	Mono County		
NORTH CENTRAL COAST AIR BASIN		X	-Mammoth Lakes Planning Area (3)	X	
SOUTH CENTRAL COAST AIR BASIN		X	-Mono Lake Basin (3)	X	
SOUTH COAST AIR BASIN	X		-Remainder of County		X
SAN DIEGO AIR BASIN		X	MOJAVE DESERT AIR BASIN (MDAB)		
NORTHEAST PLATEAU AIR BASIN		X	Kern County (MDAB portion)		
SACRAMENTO VALLEY AIR BASIN (SVAB)			-Searles Valley Planning Area (2)	X	
Butte County		X	-Remainder of County		X
Colusa County		X	Los Angeles County (MDAB portion)		X
Glenn County		X	Riverside County (MDAB portion)		X
Sacramento County	X		San Bernardino County (MDAB portion)		
Shasta County		X	-Searles Valley Planning Area (2)	X	
Solano County (SVAB portion)		X	-Remainder of County (5)	X	
Sutter County		X	SALTON SEA AIR BASIN (SSAB)		
Tehama County		X	Riverside County (SSAB portion)		
Yolo County		X	-Coachella Valley Planning Area (4)	X	
Yuba County		X	Imperial County		
SAN JOAQUIN VALLEY AIR BASIN	X		-Imperial Valley Planning Area (4)	X	
GREAT BASIN VALLEYS AIR BASIN			-Remainder of County		X
Alpine County		X	MOUNTAIN COUNTIES AIR BASIN		X
Inyo County			Placer County (SVAB/MCAB portion) (6)		X
-Owens Valley Planning Area (1)	X		LAKE COUNTY AIR BASIN		X
-Searles Valley Planning Area (2)	X		LAKE TAHOE AIR BASIN		X
-Remainder of County		X			

(1) 52 Federal Register 29384 (August 7, 1987)

(2) 56 Federal Register 56732 (November 6, 1991)

(3) 58 Federal Register 62547 (November 29, 1993)

(4) State of California Hydrologic Unit Map - 1978

(5) 58 Federal Register 67342 (December 21, 1993)

(6) U.S. EPA designation puts the SVAB portion of Placer County in the MCAB.

[This page intentionally left blank]

ATTACHMENT D**TEXT OF THE PROPOSED AMENDMENTS
TO THE AREA DESIGNATIONS**

[This page intentionally left blank]

ATTACHMENT D

TEXT OF THE PROPOSED AMENDMENTS TO THE AREA DESIGNATIONS

CALIFORNIA CODE OF REGULATIONS, TITLE 17,
SECTIONS 60201 THROUGH 60209(Additions are shown as underline italics and deletions as ~~strikeout~~)

60201. Table of Area Designations for Ozone

Area	Designation
North Coast Air Basin	
Sonoma County	Nonattainment
Remainder of Basin	Attainment
San Francisco Bay Area Air Basin	Nonattainment
North Central Coast Air Basin	Nonattainment
South Central Coast Air Basin	Nonattainment
South Coast Air Basin	Nonattainment
San Diego Air Basin	Nonattainment
Northeast Plateau Air Basin	Attainment
Sacramento Valley Air Basin	
Butte County	Nonattainment-Transitional
Colusa County	Nonattainment-Transitional
Glenn County	Nonattainment-Transitional
Remainder of Basin	Nonattainment
San Joaquin Valley Air Basin	Nonattainment
Great Basin Valleys Air Basin	
Alpine County	Unclassified
Inyo County	Unclassified
Mono County	Nonattainment-Transitional
	<u>Nonattainment</u>
Mojave Desert Air Basin	Nonattainment
Salton Sea Air Basin	Nonattainment

60201. Table of Area Designations for Ozone (continued)

Area	Designation
Mountain Counties Air Basin	
Amador, Calaveras, El Dorado, Nevada,	
Placer, Mariposa, and Tuolumne Counties	Nonattainment
Plumas and Sierra Counties	Unclassified
Lake County Air Basin	Attainment
Lake Tahoe Air Basin	Attainment

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: sections 39608 and 40925.5, Health and Safety Code.

60202. Table of Area Designations for Carbon Monoxide

Area	Designation
North Coast Air Basin	
Del Norte County	Unclassified
Humboldt County	Attainment
Mendocino County	Attainment
Sonoma County	Unclassified
Trinity County	Unclassified
San Francisco Bay Area Air Basin	
Alameda County	Attainment
Contra Costa County	Attainment
Marin County	Attainment
Napa County	Attainment
San Francisco County	Attainment
San Mateo County	Attainment
Santa Clara County	Attainment
Solano County	Attainment
Sonoma County	Attainment
North Central Coast Air Basin	
Monterey County	Attainment
San Benito County	Unclassified
Santa Cruz County	Unclassified
South Central Coast Air Basin	
San Luis Obispo County	Attainment
Santa Barbara County	Attainment
Ventura County	Attainment
South Coast Air Basin	
Los Angeles County	Nonattainment
Orange County	Attainment
Riverside County	Attainment
San Bernardino County	Attainment
San Diego Air Basin	Attainment
Northeast Plateau Air Basin	
Lassen County	Unclassified
Modoc County	Unclassified
Siskiyou County	Unclassified

60202. Table of Area Designations for Carbon Monoxide (continued)

Area	Designation
Sacramento Valley Air Basin	
Butte County	Attainment
Colusa County	Unclassified
Glenn County	Unclassified
Placer County	Attainment
Sacramento County	Attainment
Shasta County	Unclassified
Solano County	Attainment
Sutter County	Attainment
Tehama County	Unclassified
Yolo County	Attainment
Yuba County	Unclassified
San Joaquin Valley Air Basin	
Fresno County	Attainment
Kern County	Attainment
Kings County	Unclassified
Madera County	Unclassified
Merced County	Unclassified
San Joaquin County	Attainment
Stanislaus County	Attainment
Tulare County	Attainment
Great Basin Valleys Air Basin	
Alpine County	Unclassified
Inyo County	Attainment
Mono County	Attainment

60202. Table of Area Designations for Carbon Monoxide (continued)

Area	Designation
Mojave Desert Air Basin	
Kern County	Unclassified
Los Angeles County	Attainment
Riverside County	Unclassified
San Bernardino County	Attainment
Salton Sea Air Basin	
Imperial County	
City of Calexico ¹	Nonattainment
Remainder of County	Unclassified
Riverside County	Attainment
Mountain Counties Air Basin	
Amador County	Unclassified
Calaveras County	Unclassified
El Dorado County	Unclassified
Mariposa County	Unclassified
Nevada County	Unclassified
Placer County	Unclassified
Plumas County	Attainment
Sierra County	Unclassified
Tuolumne County	Attainment
Lake County Air Basin	
Lake County	Attainment
Lake Tahoe Air Basin	Attainment

¹ section 60200(a).

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code.

60203. Table of Area Designations for Nitrogen Dioxide

Area	Designation
North Coast Air Basin	Attainment
San Francisco Bay Area Air Basin	Attainment
North Central Coast Air Basin	Attainment
South Central Coast Air Basin	Attainment
South Coast Air Basin	Attainment
San Diego Air Basin	Attainment
Northeast Plateau Air Basin	Attainment
Sacramento Valley Air Basin	Attainment
San Joaquin Valley Air Basin	Attainment
Great Basin Valleys Air Basin	Attainment
Mojave Desert Air Basin	Attainment
Salton Sea Air Basin	Attainment
Mountain Counties Air Basin	Attainment
Lake County Air Basin	Attainment
Lake Tahoe Air Basin	Attainment

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code.

60204. Table of Area Designations for Sulfur Dioxide

Area	Designation
North Coast Air Basin	Attainment
San Francisco Bay Area Air Basin	Attainment
Alameda County	Attainment
Contra Costa County	Attainment
Marin County	Attainment
Napa County	Attainment
San Francisco County	Attainment
San Mateo County	Attainment
Santa Clara County	Attainment
Solano County	Attainment
Sonoma County	
North Central Coast Air Basin	Attainment
Monterey County	Attainment
San Benito County	Attainment
Santa Cruz County	
South Central Coast Air Basin	Attainment
San Luis Obispo County	Attainment
Santa Barbara County	Attainment
Ventura County	
South Coast Air Basin	Attainment
Los Angeles County	Attainment
Orange County	Attainment
Riverside County	Attainment
San Bernardino County	
San Diego Air Basin	Attainment
San Diego County	
Northeast Plateau Air Basin	Attainment
Lassen County	Attainment
Modoc County	Attainment
Siskiyou County	

60204. Table of Area Designations for Sulfur Dioxide (continued)

Area	Designation
Sacramento Valley Air Basin	
Butte County	Attainment
Colusa County	Attainment
Glenn County	Attainment
Placer County	Attainment
Sacramento County	Attainment
Shasta County	Attainment
Solano County	Attainment
Sutter County	Attainment
Tehama County	Attainment
Yolo County	Attainment
Yuba County	Attainment
San Joaquin Valley Air Basin	
Fresno County	Attainment
Kern County	Attainment
Kings County	Attainment
Madera County	Attainment
Merced County	Attainment
San Joaquin County	Attainment
Stanislaus County	Attainment
Tulare County	Attainment
Great Basin Valleys Air Basin	
Alpine County	Attainment
Inyo County	Attainment
Mono County	Attainment
Mojave Desert Air Basin	
Kern County	Attainment
Los Angeles County	Attainment
Riverside County	Attainment
San Bernardino County	Attainment

60204. Table of Area Designations for Sulfur Dioxide (continued)

Area	Designation
Salton Sea Air Basin	Attainment
Imperial County	Attainment
Riverside County	
Mountain Counties Air Basin	Attainment
Amador County	Attainment
Calaveras County	Attainment
El Dorado County	Attainment
Mariposa County	Attainment
Nevada County	Attainment
Placer County	Attainment
Plumas County	Attainment
Sierra County	Attainment
Tuolumne County	
Lake County Air Basin	Attainment
Lake County	
Lake Tahoe Air Basin	Attainment
El Dorado County	Attainment
Placer County	

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
 Reference: section 39608, Health and Safety Code.

60205. Table of Area Designations for Suspended Particulate Matter (PM₁₀)

Area	Designation
North Coast Air Basin	Nonattainment
San Francisco Bay Area Air Basin	Nonattainment
North Central Coast Air Basin	Nonattainment
South Central Coast Air Basin	Nonattainment
South Coast Air Basin	Nonattainment
San Diego Air Basin	Nonattainment
Northeast Plateau Air Basin	Nonattainment
Sacramento Valley Air Basin	Nonattainment
San Joaquin Valley Air Basin	Nonattainment
Great Basin Valleys Air Basin	Nonattainment
Mojave Desert Air Basin	Nonattainment
Salton Sea Air Basin	Nonattainment
Mountain Counties Air Basin	
El Dorado, Nevada, Placer	
Plumas, and Sierra Counties	Nonattainment
Amador County	Unclassified
Calaveras County	Nonattainment
Mariposa County Portion of	
Yosemite National Park	Nonattainment
Remainder of Mariposa and Tuolumne Counties	Unclassified
Lake County Air Basin	Attainment
Lake Tahoe Air Basin	Nonattainment

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code

60206. Table of Area Designations for Sulfates

Area	Designation
North Coast Air Basin	Attainment
San Francisco Bay Area Air Basin	Attainment
North Central Coast Air Basin	Attainment
South Central Coast Air Basin	Attainment
South Coast Air Basin	Attainment
San Diego Air Basin	Attainment
Northeast Plateau Air Basin	Attainment
Sacramento Valley Air Basin	Attainment
San Joaquin Valley Air Basin	Attainment
Great Basin Valleys Air Basin	Attainment
Mojave Desert Air Basin	
San Bernardino County Portion of Searles Valley Planning Area ¹	Nonattainment
Remainder of Air Basin	Attainment
Salton Sea Air Basin	Attainment
Mountain Counties Air Basin	Attainment
Lake County Air Basin	Attainment
Lake Tahoe Air Basin	Attainment

¹ 52 Fed. Reg. 29384 (August 7, 1987); U.S. Geological Survey 1974, *Hydrologic Unit Map-State of California*, Hydrological Unit #18090205.

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code.

60207. Table of Area Designations for Lead (Particulate)

Area	Designation
North Coast Air Basin	
Del Norte County	Attainment
Humboldt County	Attainment
Mendocino County	Attainment
Sonoma County	Attainment
Trinity County	Attainment
San Francisco Bay Area Air Basin	
Alameda County	Attainment
Contra Costa County	Attainment
Marin County	Attainment
Napa County	Attainment
San Francisco County	Attainment
San Mateo County	Attainment
Santa Clara County	Attainment
Solano County	Attainment
Sonoma County	Attainment
North Central Coast Air Basin	
Monterey County	Attainment
San Benito County	Attainment
Santa Cruz County	Attainment
South Central Coast Air Basin	
San Luis Obispo County	Attainment
Santa Barbara County	Attainment
Ventura County	Attainment
South Coast Air Basin	
Los Angeles County	Attainment
Orange County	Attainment
Riverside County	Attainment
San Bernardino County	Attainment
San Diego Air Basin	
San Diego County	Attainment
Northeast Plateau Air Basin	
Lassen County	Attainment
Modoc County	Attainment
Siskiyou County	Attainment

60207. Table of Area Designations for Lead (Particulate) (continued)

Area	Designation
Sacramento Valley Air Basin	
Butte County	Attainment
Colusa County	Attainment
Glenn County	Attainment
Placer County	Attainment
Sacramento County	Attainment
Shasta County	Attainment
Solano County	Attainment
Sutter County	Attainment
Tehama County	Attainment
Yolo County	Attainment
Yuba County	Attainment
San Joaquin Valley Air Basin	
Fresno County	Attainment
Kern County	Attainment
Kings County	Attainment
Madera County	Attainment
Merced County	Attainment
San Joaquin County	Attainment
Stanislaus County	Attainment
Tulare County	Attainment
Great Basin Valleys Air Basin	
Alpine County	Attainment
Inyo County	Attainment
Mono County	Attainment

60207. Table of Area Designations for Lead (Particulate) (continued)

Area	Designation
Mojave Desert Air Basin	
Kern County	Attainment
Los Angeles County	Attainment
Riverside County	Attainment
San Bernardino County	Attainment
Salton Sea Air Basin	
Imperial County	Attainment
Riverside County	Attainment
Mountain Counties Air Basin	
Amador County	Attainment
Calaveras County	Attainment
El Dorado County	Attainment
Mariposa County	Attainment
Nevada County	Attainment
Placer County	Attainment
Plumas County	Attainment
Sierra County	Attainment
Tuolumne County	Attainment
Lake County Air Basin	
Lake County	Attainment
Lake Tahoe Air Basin	
El Dorado County	Attainment
Placer County	Attainment

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code.

60208. Table of Area Designations for Hydrogen Sulfide

Area	Designation
North Coast Air Basin	
Del Norte County	Unclassified
Humboldt County	Attainment
Mendocino County	Unclassified
Sonoma County	
Geyser Geothermal Area ¹	Attainment
Remainder of County	Unclassified
Trinity County	Unclassified
San Francisco Bay Area Air Basin	
Alameda County	Unclassified
Contra Costa County	Unclassified
Marin County	Unclassified
Napa County	Unclassified
San Francisco County	Unclassified
San Mateo County	Unclassified
Santa Clara County	Unclassified
Solano County	Unclassified
Sonoma County	Unclassified
North Central Coast Air Basin	
Monterey County	Unclassified
San Benito County	Unclassified
Santa Cruz County	Unclassified
South Central Coast Air Basin	
San Luis Obispo County	Attainment
Santa Barbara County	Attainment
Ventura County	Unclassified
South Coast Air Basin	
Los Angeles County	Unclassified
Orange County	Unclassified
Riverside County	Unclassified
San Bernardino County	Unclassified
San Diego Air Basin	
San Diego County	Unclassified
Northeast Plateau Air Basin	
Lassen County	Unclassified
Modoc County	Unclassified
Siskiyou County	Unclassified

60208. Table of Area Designations for Hydrogen Sulfide (continued)

Area	Designation
Sacramento Valley Air Basin	
Butte County	Unclassified
Colusa County	Unclassified
Glenn County	Unclassified
Placer County	Unclassified
Sacramento County	Unclassified
Shasta County	Unclassified
Solano County	Unclassified
Sutter County	Unclassified
Tehama County	Unclassified
Yolo County	Unclassified
Yuba County	Unclassified
San Joaquin Valley Air Basin	
Fresno County	Unclassified
Kern County	Unclassified
Kings County	Unclassified
Madera County	Unclassified
Merced County	Unclassified
San Joaquin County	Unclassified
Stanislaus County	Unclassified
Tulare County	Unclassified
Great Basin Valleys Air Basin	
Alpine County	Unclassified
Inyo County	Attainment
Mono County	Attainment

60208. Table of Area Designations for Hydrogen Sulfide (continued)

Area	Designation
Mojave Desert Air Basin	
Kern County	Unclassified
Los Angeles County	Unclassified
Riverside County	Unclassified
San Bernardino County	
County Portion of	
Searles Valley Planning Area ²	Nonattainment
Remainder of County	Unclassified
Salton Sea Air Basin	
Imperial County	Unclassified
Riverside County	Unclassified
Mountain Counties Air Basin	
Amador County	
City of Sutter Creek	Nonattainment
Remainder of County	Unclassified
Calaveras County	Unclassified
El Dorado County	Unclassified
Mariposa County	Unclassified
Nevada County	Unclassified
Placer County	Unclassified
Plumas County	Unclassified
Sierra County	Unclassified
Tuolumne County	Unclassified
Lake County Air Basin	
Lake County	Attainment
Lake Tahoe Air Basin	
El Dorado County	Unclassified
Placer County	Unclassified

¹ section 60200(d).² 52 Fed. Reg. 29384 (August 7, 1987); U.S. Geological Survey 1974, *Hydrologic Unit Map-State of California*, Hydrological Unit #18090205.

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
Reference: section 39608, Health and Safety Code.

60209. Table of Area Designations for Visibility Reducing Particles

Area	Designation
North Coast Air Basin	Unclassified
San Francisco Bay Area Air Basin	Unclassified
North Central Coast Air Basin	Unclassified
South Central Coast Air Basin	Unclassified
South Coast Air Basin	Unclassified
San Diego Air Basin	Unclassified
Northeast Plateau Air Basin	Unclassified
Sacramento Valley Air Basin	Unclassified
San Joaquin Valley Air Basin	Unclassified
Great Basin Valleys Air Basin	Unclassified
Mojave Desert Air Basin	Unclassified
Salton Sea Air Basin	Unclassified
Mountain Counties Air Basin	Unclassified
Lake County Air Basin	Attainment
Lake Tahoe Air Basin	Unclassified

NOTE: Authority cited: sections 39600, 39601, and 39608, Health and Safety Code.
 Reference: section 39608, Health and Safety Code.

ATTACHMENT E

DESIGNATION VALUES

AND

EXPECTED PEAK DAY CONCENTRATIONS

[This page intentionally left blank]

ATTACHMENT E

DESIGNATION VALUES AND EXPECTED PEAK DAY CONCENTRATIONS

This attachment tabulates the Expected Peak Day Concentrations and Designation Values for various pollutants. The Expected Peak Day Concentration (EPDC) represents the concentration that statistically is estimated to recur once per year. In the area designation process, measured concentrations that are higher than the calculated EPDC, after the EPDC is rounded to the precision of the relevant State standard, are identified as affected by an extreme concentration event and are not considered violations of the State standards. Designation Value (DV) refers to the highest measured concentration (rounded to the precision of the relevant State standard) remaining at a given site after all measured concentrations affected by extreme concentration events are excluded. In the calculations of EPDCs, concentrations affected by exceptional events or unusual concentration events are not excluded. However, measured concentrations that are identified as affected by an exceptional event or unusual concentration event are excluded from being considered as the DV. If the highest DV within an area does not exceed the State standard, and all other criteria are met, then the area can be considered in attainment for that pollutant.

For example, if the calculated ozone EPDC for a site is 0.096 ppm, and the four highest measured concentrations are 0.125, 0.113, 0.102, and 0.094 ppm, then the DV is equal to 0.10 ppm. This is because the EPDC of 0.096 ppm would be first rounded to 0.10 ppm (consistent with the precision of the ozone standard which is two decimal places), and 0.10 ppm is the highest measured concentration equal to or lower than the rounded EPDC. The measured concentrations of 0.125 ppm (rounded to 0.13 ppm) and 0.113 ppm (rounded to 0.11 ppm) are higher than the rounded EPDC of 0.10 ppm and are excluded as extreme concentrations and are not considered as the DV.

The EPDCs and DVs listed in this attachment are based on air quality data collected during 1997 through 1999. This is the most recent three-year period for which air quality data are available and is the same three-year period used in reviewing the area designations described in the text of this staff report. The EPDCs and DVs are listed for each site in the State with appropriate data. Concentrations are listed for ozone, carbon monoxide (one-hour and eight-hour averages), nitrogen dioxide, suspended particulate matter or PM₁₀, and hydrogen sulfide. The data for sulfur dioxide, sulfates, lead, and visibility reducing particles are not presented because there were no violations of the relevant State standards or the data are insufficient for determining the appropriate EPDCs and DVs. Complete data for all pollutants, except visibility reducing particles, will be available in electronic compact-disc form, entitled, "California Ambient Air Quality Data (1980-1999)," in November 2000. To obtain a copy of the compact disc, please visit our web site at:

<http://www.arb.ca.gov/aqd/order/orderform.htm>, or send an e-mail request to aqdcdd@arb.ca.gov, or contact the Air Quality Data Branch at (916) 322-6076.

Because some sites listed in this attachment may not have representative or complete data, this attachment provides additional information for a review of the degree of data completeness at each site. In the tables under the heading "Valid," a "Y" indicates that the EPDC for that site is valid, and a "N" indicates that the EPDC is not valid. The validity of the EPDC is based on the "high-day coverage" for each of the three years, also shown in the tables. The high-day coverage is the percentage of "expected high days" that are complete during the year. The expected high days are those days specific to each given site that historically have daily maximum concentrations in the top ten percent of all daily maximum concentrations, based on data for the seven years through 1999.

The tables list the high-day coverage for all years with air quality data, regardless of the level of the coverage. A zero high-day coverage indicates that some air quality data are available for that year but for less than one percent of the expected high days. A blank entry under the high-day coverage heading indicates that no air quality data are available for that year.

The EPDC is calculated using only the data for the year(s) where the high-day coverage is at least 50 percent, i.e., not necessarily using all years where a high-day coverage is shown in the table. An EPDC is not calculated, as indicated by a blank entry under the EPDC heading, if the high-day coverage is less than 50 percent for each of the three years.

A value listed under the EPDC heading does not necessarily indicate that there is a valid EPDC for that site. The calculated EPDC is considered "valid" only if the data meet one of the following three conditions: (1) if the high-day coverage is at least 75 percent for each of the three years; (2) if the high-day coverage is at least 75 percent for each of two years and the EPDC is less than or equal to 75 percent of the applicable State standard; or (3) if the high-day coverage is at least 75 percent for one year and the EPDC is less than or equal to 50 percent of the applicable State standard.

When the EPDC is not calculated or the calculated EPDC is not considered valid, the EPDC is not used in determining the DV. In these cases, the DV is simply the highest measured concentration (rounded to the precision of the relevant State standard) at the site during the specified three-year period, after excluding data affected by exceptional events and unusual concentration events, if any.

Finally, the EPDC is the same indicator that the Air Resources Board endorsed for the air pollution control and air quality management districts to use as an indicator in reporting their progress toward attainment of the State standards, as required by the Health and Safety Code sections 40924(b) and (c). The use of the EPDC is described more fully in the document titled: "Guidance for Using Air Quality-Related Indicators in Reporting Progress in Attaining the State Ambient Air Quality Standards" (Air Resources Board, September 1993).

Ozone: One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State Ozone Standard = 0.09 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>					EPDC	High-Day Coverage (%)		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>Great Basin Valleys</u>								
Inyo	60270101	Death Valley Natl Monument	0.09	0.090	Y	88	85	93
Mono	60510001	Mammoth Lakes-Gateway HC				63	24	
<u>Lake County</u>								
Lake	60333001	Lakeport-Lakeport Blvd	0.09	0.087	Y	97	99	98
<u>Lake Tahoe</u>								
El Dorado	60170011	South Lake Tahoe-Sandy Way	0.08	0.081	Y	97	97	99
<u>Mojave Desert</u>								
Kern	60290011	Mojave-923 Poole Street	0.12	0.121	Y	96	99	98
Los Angeles	60379002	Lancaster-W Pondera Street	0.16	0.131	N	67	98	97
San Bernardino	60710001	Barstow	0.11	0.113	Y	77	85	92
	60710012	Phelan-Beekeley Road & Phelan Road	0.16	0.162	Y	99	99	92
	60710014	Victorville-Armagosa Road	0.15	0.146	Y	94	98	97
	60710015	Trona-Athol				0		
	60710017	Twentynine Palms-Adobe Road #2	0.11	0.113	Y	92	99	100
	60711234	Trona-Athol and Telegraph	0.10	0.095	Y	97	99	98
	60714001	Hesperia-Olive Street	0.15	0.151	Y	99	98	91
	60719002	Joshua Tree-National Monument	0.14	0.143	Y	100	90	98
<u>Mountain Counties</u>								
Amador	60050002	Jackson-Clinton Road	0.13	0.129	Y	91	83	99
Calaveras	60090001	San Andreas-Gold Strike Road	0.12	0.123	Y	99	98	99
El Dorado	60170010	Placerville-Gold Nugget Way	0.13	0.127	Y	98	97	99
	60170020	Cool-Highway 193	0.14	0.144	Y	97	96	97
Mariposa	60430003	Yosemite Natl Park-Turtleback Dome	0.10	0.105	Y	82	96	96
	60430006	Jerseydale - 6440 Jerseydale	0.12	0.120	Y	98	97	96
Nevada	60570005	Grass Valley-Litton Building	0.11	0.114	Y	100	100	98
	60570007	White Cloud Mountain	0.11	0.110	Y	99	98	100
	60571001	Truckee-Fire Station	0.08	0.080	Y	94	84	77
Placer	60610004	Colfax-City Hall	0.11	0.111	Y	100	97	88
Plumas	60631006	Quincy-N Church Street	0.09	0.084	N	0	98	100
Tuolumne	61090005	Sonora-Barretta Street	0.11	0.115	Y	99	99	99
	61090006	Five Mile Learning Center	0.11	0.111	Y	99	98	100
<u>North Central Coast</u>								
Monterey	60530002	Carmel Valley-Ford Road	0.08	0.079	Y	100	99	99
	60530005	King City-750 Metz Road	0.08	0.084	Y	99	90	99
	60530006	Monterey-Silver Cloud Court	0.07	0.072	Y	97	98	97
	60531002	Salinas-Natividad Road #2	0.06	0.060	Y	90	97	99
San Benito	60690002	Hollister-Fairview Road	0.10	0.101	Y	99	100	93
	60690003	Pinnacles National Monument	0.10	0.103	Y	95	94	90
Santa Cruz	60870003	Davenport	0.06	0.065	Y	91	86	94
	60870004	Watsonville-Airport Boulevard	0.08	0.078	Y	99	97	99
	60870006	Scotts Valley-Scotts Valley Drive	0.09	0.088	Y	98	98	99
	60870007	Santa Cruz-2544 Soquel Avenue	0.08	0.081	Y	97	98	97
<u>North Coast</u>								
Mendocino	60450008	Ukiah-E Gobbi Street	0.08	0.079	Y	97	98	98
	60450009	Willits-899 S Main Street	0.06	0.061	Y	97	98	100
Sonoma	60971003	Healdsburg-Municipal Airport	0.11	0.109	Y	97	93	99
<u>Northeast Plateau</u>								
Siskiyou	60932001	Yreka-Foothill Drive	0.08	0.078	Y	96	94	100

Ozone: One-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State Ozone Standard = 0.09 parts per million (ppm), not to be exceeded]

Air Basin			EPDC			High-Day Coverage (%)		
County	AIRS Site #	Site Name	DV	EPDC	Valid ?	1997	1998	1999
Sacramento Valley								
Butte	60070002	Chico-Manzanita Avenue	0.10	0.101	Y	99	99	99
	60111002	Colusa-Sunrise Blvd	0.09	0.095	Y	100	100	99
Glenn	60210002	Willows-E Laurel Street	0.10	0.098	Y	98	97	100
Placer	60610002	Auburn-Dewitt-C Avenue	0.14	0.128	N	95	58	94
	60610006	Roseville-N Sunrise Blvd	0.13	0.129	Y	99	100	98
Sacramento	60613001	Rocklin-Rocklin Road	0.13	0.128	Y	96	99	100
	60670002	North Highlands-Blackfoot Way	0.12	0.117	Y	91	96	94
	60670006	Sacramento-Del Paso Manor	0.13	0.129	Y	91	86	91
	60670010	Sacramento-T Street	0.11	0.113	Y	98	99	99
	60670011	Elk Grove-Bruceville Road	0.12	0.119	Y	92	89	96
	60670012	Folsom-Natoma Street	0.14	0.142	Y	96	97	95
	60670013	Sacramento-3801 Airport Road	0.13	0.112	N		75	93
	60675002	Sacramento-Earhart Drive				92		
	60675003	Sloughouse	0.15	0.154	N	49	97	99
	60890004	Redding-Health Dept Roof	0.12	0.126	Y	95	96	98
Shasta	60890007	Anderson-North Street	0.11	0.112	Y	95	96	98
	60893003	Lassen Volcanic Natl Park-Manzanita Lake	0.09	0.094	Y	94	98	96
Solano	60953002	Vacaville-Elmira Road	0.12	0.121	Y	98	93	94
Sutter	61010002	Pleasant Grove-4 miles SW	0.11	0.111	Y	98	97	100
	61010003	Yuba City-Almond Street	0.10	0.106	Y	97	99	98
Tehama	61010004	Sutter Buttes-S Butte	0.12	0.116	Y	90	95	96
	61030004	Tuscan Butte	0.11	0.115	Y	93	77	99
	61030005	Red Bluff-Oak Street	0.11	0.109	Y	96	94	99
Yolo	61130004	Davis-UCD Campus	0.12	0.116	Y	98	99	100
	61130005	Woodland-Sutter Street				100		
	61131003	Woodland-Gibson Road	0.11	0.111	N		87	99
Salton Sea								
Imperial	60250004	Calexico-Grant Street				95	12	
	60250005	Calexico-Ethel Street	0.14	0.144	Y *	99	98	100
	60250006	Calexico-East	0.12	0.130	Y	81	97	99
	60251003	El Centro-9th Street				95	88	
	60254003	Westmorland-W 1st Street					75	
Riverside	60254004	Niland-English Road				10	87	
	60652002	Indio-Jackson Street	0.13	0.118	N	40	99	100
	60655001	Palm Springs-Fire Station	0.14	0.143	Y	98	96	96
San Diego								
San Diego	60730001	Chula Vista	0.11	0.109	Y	96	97	94
	60730003	El Cajon-Redwood Avenue	0.11	0.110	Y	97	97	94
	60730005	Oceanside-Mission Avenue	0.10	0.103	Y	99	98	94
	60730006	San Diego-Overland Avenue	0.11	0.110	Y	99	98	94
	60731001	Del Mar-Mira Costa College	0.10	0.098	Y	97	99	96
	60731002	Escondido-E Valley Parkway	0.11	0.109	Y	98	96	95
	60731006	Alpine-Victoria Drive	0.13	0.134	Y	100	97	98
	60731007	San Diego-12th Avenue	0.09	0.094	Y	96	95	93
	60731008	Camp Pendleton	0.11	0.109	Y	86	97	96
	60731009	San Diego-Logan Avenue	0.08		N			10
	60732007	Otay Mesa-Paseo International	0.10	0.102	Y	100	98	97

Ozone: One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State Ozone Standard = 0.09 parts per million (ppm), not to be exceeded]

Air Basin					EPDC	High-Day Coverage (%)		
County	AIRS Site #	Site Name	DV	EPDC	Valid ?	1997	1998	1999
San Francisco Bay Area								
Alameda	60010003	Livermore-Old 1st Street	0.14	0.144	Y	97	98	98
	60010005	Oakland-Alice Street	0.06	0.061	Y	99	79	98
	60010006	San Leandro-County Hospital	0.11	0.108	Y	99	86	86
	60011001	Fremont-Chapel Way	0.11	0.108	Y	98	98	99
	60012001	Hayward-La Mesa	0.11	0.114	Y	99	90	91
Contra Costa	60130002	Concord-2975 Treat Blvd	0.13	0.128	Y	99	99	98
	60130003	Richmond-13th Street				34		
	60131002	Bethel Island Road	0.12	0.118	Y	99	99	99
	60131003	San Pablo-El Portal	0.08	0.081	Y	82	99	97
	60133001	Pittsburg-10th Street	0.10	0.095	Y	98	99	98
Marin	60410001	San Rafael	0.08	0.085	Y	98	98	97
Napa	60550003	Napa-Jefferson Avenue	0.11	0.106	Y	98	97	98
San Francisco	60750005	San Francisco-Arkansas Street	0.06	0.059	Y	98	99	97
San Mateo	60811001	Redwood City	0.07	0.071	Y	96	97	98
Santa Clara	60850002	Gilroy-9th Street	0.11	0.113	Y	95	99	97
	60850004	San Jose-4th Street	0.11	0.107	Y	99	95	98
	60851001	Los Gatos	0.11	0.114	Y	99	97	96
	60851002	Mountain View-Cuesta	0.11	0.107	Y	96	88	90
	60852005	San Jose-935 Piedmont Road	0.11	0.109	Y	97	95	94
Solano	60852006	San Martin-Murphy Avenue	0.13	0.126	Y	98	99	99
	60950002	Fairfield-Bay Area AQMD	0.12	0.122	Y	99	96	96
	60950004	Vallejo-304 Tuolumne Street	0.10	0.098	Y	99	98	98
Sonoma	60970003	Santa Rosa-5th Street	0.09	0.085	Y	98	93	98
San Joaquin Valley								
Fresno	60190007	Fresno-Drummond Street	0.14	0.140	Y	98	99	100
	60190008	Fresno-1st Street	0.15	0.147	Y	98	97	98
	60190010	Shaver Lake - Perimeter Road	0.12	0.125	Y	96	99	100
	60190242	Fresno-Sierra Skypark #2	0.14	0.141	Y	99	99	98
	60194001	Parlier	0.15	0.148	Y	98	98	93
	60195001	Clovis-N Villa Avenue	0.16	0.159	Y	95	99	100
Kern	60290007	Edison	0.15	0.152	Y	99	98	99
	60290008	Maricopa-Stanislaus Street				99	98	
	60290010	Bakersfield-Golden State Highway				99	98	
	60290014	Bakersfield-5558 California Avenue	0.12	0.118	Y	97	92	99
	60290232	Oildale-3311 Manor Street	0.12	0.116	Y	94	96	98
	60295001	Arvin-Bear Mountain Blvd	0.14	0.137	Y	100	98	97
Kings	60296001	Shafter-Walker Street	0.11	0.112	Y	96	93	99
	60311004	Hanford-S Irwin Street	0.12	0.124	Y	98	94	99
	60390004	Madera-Pump Yard	0.13	0.115	N	17	97	95
Merced	60470003	Merced-S Coffee Avenue	0.13	0.134	Y	100	98	100
San Joaquin	60770009	Stockton-E Mariposa	0.11	0.111	Y	99	99	100
	60771002	Stockton-Hazelton Street	0.11	0.113	Y	98	97	99
	60773003	Tracy-24371 Patterson Pass Road	0.12	0.123	Y	100	99	98
Stanislaus	60990005	Modesto-14th Street	0.13	0.127	Y	100	88	99
	60990006	Turlock-S Minaret Street	0.13	0.130	Y	100	100	98
	60990010	Modesto-Rover 14th Street					7	
Tulare	61070006	Sequoia Natl Park-Lower Kaweah	0.12	0.115	Y	95	90	82
	61070008	Sequoia National Park-Lookout Point	0.12	0.121	Y	86	84	93
	61070009	Sequoia & Kings Canyon Np	0.13	0.126	N			66
	61072002	Visalia-N Church Street	0.13	0.134	Y	99	94	100

Ozone: One-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State Ozone Standard = 0.09 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>					EPDC	High-Day Coverage (%)		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>South Central Coast</u>								
San Luis Obispo	60790005	Paso Robles-Santa Fe Avenue	0.11	0.113	Y	98	99	99
	60792001	Grover City-Lesage Drive	0.07	0.070	Y	98	96	96
	60792002	San Luis Obispo-Marsh Street	0.07	0.070	Y	99	99	99
	60792004	Nipomo-Guadalupe Road	0.07	0.069	Y	99	93	97
	60793001	Morro Bay	0.06	0.065	Y	97	100	100
Santa Barbara	60794002	Nipomo-Regional Park	0.09	0.079	N		6	96
	60798001	Atascadero-Lewis Avenue	0.10	0.101	Y	98	100	94
	60830008	El Capitan Beach	0.08	0.084	Y	98	98	98
	60830010	Santa Barbara-W Carillo Street	0.09	0.086	Y	97	99	99
	60831007	Santa Maria-Broadway	0.07	0.066	Y	89	99	86
	60831012	Point Conception-Lighthouse				88	11	
	60831013	Lompoc-HS&P	0.08	0.085	Y	99	98	98
	60831014	Paradise Road-Los Padres National Forest	0.10	0.104	Y	99	100	98
	60831015	Gaviota-West				96	14	
	60831016	Gaviota-East				99	9	
	60831018	Gaviota-GTC Site B	0.09	0.085	Y	99	98	95
	60831019	Gaviota-GTC Site C				99	27	
	60831020	Exxon Site 10-UCSB West Campus				95	50	
	60831021	Carpinteria-Gobernador Road	0.10	0.098	Y	98	99	99
	60831025	Las Flores Canyon #1	0.10	0.104	Y	88	92	98
	60832004	Lompoc-S H Street	0.08	0.075	Y	95	99	98
	60832011	Goleta-Fairview	0.09	0.088	Y	99	94	99
	60832012	Santa Rosa Island	0.08	0.082	Y	96	99	82
	60833001	Santa Ynez-Airport Road	0.09	0.087	Y	98	97	98
	60834003	Vandenberg Air Force Base-STs Power	0.08	0.083	Y	95	99	100
Ventura	60835001	Vandenberg Air Force Base-Watt Road				11		
	61110004	Piru-2 miles SW	0.10	0.103	Y	99	98	99
	61110005	Ventura County-W Casitas Pass Road	0.11	0.110	Y	99	98	99
	61110007	Thousand Oaks-Moorpark Road	0.11	0.115	Y	99	99	99
	61111004	Ojai-Ojai Avenue	0.11	0.108	Y	97	99	96
	61112002	Simi Valley-Cochran Street	0.14	0.135	Y	99	99	100
	61112003	Ventura-Emma Wood State Beach	0.09	0.090	Y	99	97	91
	61113001	El Rio-Rio Mesa School #2	0.09	0.095	Y	98	97	96

Ozone: One-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State Ozone Standard = 0.09 parts per million (ppm), not to be exceeded]

<u>Air Basin</u> <u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>EPDC</u> <u>Valid ?</u>	<u>High-Day Coverage (%)</u>		
						<u>1997</u>	<u>1998</u>	<u>1999</u>
South Coast Los Angeles	60370002	Azusa	0.17	0.175	Y	96	93	90
	60370016	Glendora-Laurel	0.19	0.193	Y	99	99	98
	60370113	West Los Angeles-VA Hospital	0.11	0.113	Y	100	100	100
	60371002	Burbank-W Palm Avenue	0.14	0.147	Y	90	91	97
	60371103	Los Angeles-North Main Street	0.13	0.129	Y	99	99	96
	60371201	Reseda	0.13	0.132	Y	99	100	99
	60371301	Lynwood	0.08	0.081	Y	97	99	99
	60371601	Pico Rivera	0.15	0.148	Y	99	100	98
	60371701	Pomona	0.16	0.167	Y	100	97	99
	60372005	Pasadena-S Wilson Avenue	0.16	0.155	Y	100	99	98
	60374002	North Long Beach	0.10	0.100	Y	99	98	98
	60375001	Hawthorne	0.10	0.102	Y	97	99	99
	60376002	Santa Clarita-County Fire Station	0.16	0.163	Y	99	89	99
	60590001	Anaheim-Harbor Blvd	0.14	0.115	N	100	100	26
	60591003	Costa Mesa-Mesa Verde Drive	0.12	0.104	N	15	98	92
	60592001	El Toro	0.12	0.121	Y	100	97	97
	60595001	La Habra	0.13	0.131	Y	99	99	100
Riverside	60650002	Banning-Allesandro				100	35	
	60650012	Banning Airport	0.18	0.176	Y	98	78	97
	60656001	Perris	0.15	0.142	N	3	99	100
	60658001	Riverside-Rubidoux	0.17	0.175	Y	90	98	98
San Bernardino	60659001	Lake Elsinore-W Flint Street	0.17	0.164	N	5	97	99
	60710005	Crestline	0.21	0.211	Y	91	99	100
	60710217	Mount Baldy, Mount Baldy Road				45		
	60711004	Upland	0.18	0.181	Y	99	97	99
	60712002	Fontana-Arrow Highway	0.18	0.179	Y	98	99	100
	60714003	Redlands-Dearborn	0.19	0.188	Y	99	100	100
	60719004	San Bernardino-4th Street	0.18	0.180	Y	99	96	98

Carbon Monoxide (CO): One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State 1-Hour CO Standard = 20 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>							<u>High-Day Coverage (%)</u>		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>		<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>Great Basin Valleys</u>									
Mono	060510001	Mammoth Lakes-Gateway HC					88	63	
<u>Lake Tahoe</u>									
El Dorado	060170005	South Lake Tahoe-Stateline					90	60	
	060170011	South Lake Tahoe-Sandy Way	3	3.44	Y		94	97	94
<u>Mojave Desert</u>									
Los Angeles	060379002	Lancaster-W Pondera Street	6	6.34	Y		100	99	97
San Bernardino	060710001	Barstow	3	2.88	Y		98	98	98
	060710014	Victorville-Armagosa Road	4	3.70	Y		97	97	97
	060710017	Twentynine Palms-Adobe Road #2					38		
	060714001	Hesperia-Olive Street					98	28	
<u>Mountain Counties</u>									
Amador	060050002	Jackson-Clinton Road	3	2.54	Y		100	95	96
Calaveras	060090001	San Andreas-Gold Strike Road	2	1.61	Y		97	99	97
El Dorado	060170010	Placerville-Gold Nugget Way	1	1.41	Y		99	99	96
Tuolumne	061090005	Sonora-Barretta Street	6	6.25	Y		100	98	97
<u>North Central Coast</u>									
Monterey	060531002	Salinas-Natividad Road #2	4	3.89	Y		97	96	89
Santa Cruz	060870003	Davenport	1	1.09	Y		99	96	96
<u>North Coast</u>									
Mendocino	060450008	Ukiah-E Gobbi Street	5	5.47	Y		100	99	99
	060450009	Willits-899 S Main Street	3	2.90	Y		99	96	97
<u>Sacramento Valley</u>									
Butte	060070002	Chico-Manzanita Avenue	7	6.70	Y		100	97	97
	060070005	Chico-Salem Street					100	23	
Placer	060610006	Roseville-N Sunrise Blvd	4	3.77	Y		98	100	97
Sacramento	060670002	North Highlands-Blackfoot Way	5	5.09	Y		93	95	86
	060670006	Sacramento-Del Paso Manor	8	7.96	Y		95	98	97
	060670007	Sacramento-El Camino and Watt	8	8.71	Y		99	96	95
	060670010	Sacramento-T Street	8	8.59	Y		100	99	96
	060670013	Sacramento-3801 Airport Road	6	6.11	Y			59	97
	060675002	Sacramento-Earhart Drive					63		
Sutter	061010003	Yuba City-Almond Street	7	7.08	Y		96	95	97
Yolo	061130004	Davis-UCD Campus	2	2.41	Y		100	98	90
<u>Salton Sea</u>									
Imperial	060250005	Calexico-Ethel Street	24	24.72	Y		99	96	96
	060250006	Calexico-East	18	19.08	Y		99	95	97
	060251003	El Centro-9th Street					100	75	
Riverside	060655001	Palm Springs-Fire Station	3	2.95	Y		99	93	98
<u>San Diego</u>									
San Diego	060730001	Chula Vista	5	5.00	Y		100	98	93
	060730003	El Cajon-Redwood Avenue	6	5.90	Y		91	94	6
	060730005	Oceanside-Mission Avenue	4	3.98	Y		99	95	4
	060730006	San Diego-Overland Avenue	5	4.79	Y		94	96	2
	060730007	San Diego-Union Street	8	8.02	Y		99	98	98
	060731002	Escondido-E Valley Parkway	10	11.13	Y		95	50	98
	060731007	San Diego-12th Avenue	8	7.52	Y		97	94	98
	060731009	San Diego-Logan Avenue	7	7.14	N				53
	060732007	Otay Mesa-Paseo International	8	7.93	Y		99	99	97

Carbon Monoxide (CO): One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State 1-Hour CO Standard = 20 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>					EPDC	High-Day Coverage (%)		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>San Francisco Bay Area</u>								
Alameda	060010003	Livermore-Old 1st Street	5	5.33	Y	99	99	73
	060010005	Oakland-Alice Street	6	6.72	Y	98	84	98
	060011001	Fremont-Chapel Way	5	5.48	Y	100	97	98
Contra Costa	060130002	Concord-2975 Treat Blvd	6	5.67	Y	100	99	98
	060130003	Richmond-13th Street				42		
	060131002	Bethel Island Road	2	1.99	Y	100	98	98
	060131003	San Pablo-El Portal	3	3.47	Y	60	99	98
	060133001	Pittsburg-10th Street	6	6.00	Y	100	98	98
Marin	060410001	San Rafael	6	5.86	Y	100	98	98
Napa	060550003	Napa-Jefferson Avenue	6	5.94	Y	97	98	98
San Francisco	060750003	San Francisco-Ellis Street	7	7.27	Y	100	97	98
	060750005	San Francisco-Arkansas Street	6	5.86	Y	100	99	98
San Mateo	060811001	Redwood City	9	8.82	Y	100	94	98
Santa Clara	060850004	San Jose-4th Street	10	9.82	Y	100	99	98
Solano	060950004	Vallejo-304 Tuolumne Street	7	7.25	Y	100	98	97
Sonoma	060970003	Santa Rosa-5th Street	5	5.24	Y	100	97	96
<u>San Joaquin Valley</u>								
Fresno	060190007	Fresno-Drummond Street	7	6.96	Y	97	97	95
	060190008	Fresno-1st Street	9	8.70	Y	100	98	97
	060190009	Fresno-Fisher Street	11	10.78	Y	93	95	93
	060190242	Fresno-Sierra Skypark #2	4	3.92	Y	100	99	97
	060195001	Clovis-N Villa Avenue	6	5.79	Y	100	97	98
Kern	060290010	Bakersfield-Golden State Highway				94	55	
	060290014	Bakersfield-5558 California Avenue	6	5.85	Y	96	99	97
San Joaquin	060770008	Stockton-Claremont	9	9.23	Y	77	94	96
	060771002	Stockton-Hazelton Street	8	8.00	Y	99	98	97
Stanislaus	060990005	Modesto-14th Street	9	8.64	Y	100	69	96
	060990006	Turlock-S Minaret Street	5	4.76	Y	66	99	97
	060990010	Modesto-Rover 14th Street					25	
Tulare	061072002	Visalia-N Church Street	7	7.09	Y	99	99	96
<u>South Central Coast</u>								
San Luis Obispo	060792002	San Luis Obispo-Marsh Street	5	4.94	Y	100	96	96
Santa Barbara	060830010	Santa Barbara-W Carillo Street	8	7.69	Y	100	95	97
	060831025	Las Flores Canyon #1	1	0.81	Y	99	95	86
	060832004	Lompoc-S H Street	4	3.67	Y	86	81	82
	060832011	Goleta-Fairview	4	3.77	Y	86	75	81
	060834003	Vandenberg Air Force Base-STs Power	1	0.82	Y	97	97	77
	060835001	Vandenberg Air Force Base-Watt Road				13		
Ventura	061112002	Simi Valley-Cochran Street	7	7.40	Y	94	92	78
	061113001	El Rio-Rio Mesa School #2	2	2.39	Y	97	92	95

Carbon Monoxide (CO): One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State 1-Hour CO Standard = 20 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>					<u>EPDC</u>	<u>High-Day Coverage (%)</u>		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>South Coast</u>								
Los Angeles	060370002	Azusa	6	5.74	Y	95	97	98
	060370113	West Los Angeles-VA Hospital	7	6.60	Y	99	97	98
	060371002	Burbank-W Palm Avenue	9	9.11	Y	100	96	98
	060371103	Los Angeles-North Main Street	8	8.06	Y	100	96	98
	060371201	Reseda	9	10.16	Y	99	98	98
	060371301	Lynwood	19	19.47	Y	99	93	98
	060371601	Pico Rivera	8	8.12	Y	90	98	98
	060371701	Pomona	9	9.30	Y	99	84	98
	060372005	Pasadena-S Wilson Avenue	8	8.10	Y	96	97	98
	060374002	North Long Beach	8	8.45	Y	99	96	98
	060375001	Hawthorne	12	11.64	Y	94	92	98
	060376002	Santa Clarita-County Fire Station	7	7.46	Y	99	97	98
	060590001	Anaheim-Harbor Blvd	8	8.07	Y	100	93	39
	060591003	Costa Mesa-Mesa Verde Drive	9	8.71	Y	99	93	98
	060592001	El Toro	5	5.17	Y	100	82	98
Orange	060595001	La Habra	13	13.67	Y	100	97	98
	060651003	Riverside-Magnolia	8	7.94	Y	99	98	98
	060658001	Riverside-Rubidoux	6	5.99	Y	71	85	98
Riverside	060710217	Mount Baldy, Mount Baldy Road				10		
San Bernardino	060719004	San Bernardino-4th Street	6	6.46	Y	92	94	98

Carbon Monoxide (CO): Eight-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data

[State 8-Hour CO Standard = 9.0 parts per million (ppm), not to be exceeded]

[For the Lake Tahoe Air Basin, 8-Hour CO Standard = 6 ppm, not to be equaled or exceeded]

Air Basin					EPDC	High-Day Coverage (%)		
County	AIRS Site #	Site Name	DV	EPDC	Valid ?	1996	1997	1998
Great Basin Valleys								
Mono	060510001	Mammoth Lakes-Gateway HC				88	63	
Lake Tahoe								
El Dorado	060170005	South Lake Tahoe-Stateline				90	60	
	060170011	South Lake Tahoe-Sandy Way	2.3	2.31	Y	94	97	94
Mojave Desert								
Los Angeles	060379002	Lancaster-W Pondera Street	4.0	4.37	Y	100	99	97
San Bernardino	060710001	Barstow	1.7	1.77	Y	98	98	98
	060710014	Victorville-Armagosa Road	2.1	2.14	Y	97	97	97
	060710017	Twentynine Palms-Adobe Road #2				38		
	060714001	Hesperia-Olive Street				98	28	
Mountain Counties								
Amador	060050002	Jackson-Clinton Road	1.5	1.52	Y	100	95	96
Calaveras	060090001	San Andreas-Gold Strike Road	0.9	0.91	Y	97	99	97
El Dorado	060170010	Placerville-Gold Nugget Way	0.8	0.82	Y	99	99	96
Tuolumne	061090005	Sonora-Barretta Street	5.4	5.39	Y	100	98	97
North Central Coast								
Monterey	060531002	Salinas-Natividad Road #2	1.9	1.95	Y	97	96	89
Santa Cruz	060870003	Davenport	0.8	0.79	Y	99	96	96
North Coast								
Mendocino	060450008	Ukiah-E Gobbi Street	3.6	3.60	Y	100	99	99
	060450009	Willits-899 S Main Street	2.1	2.13	Y	99	96	97
Sacramento Valley								
Butte	060070002	Chico-Manzanita Avenue	4.0	4.42	Y	100	97	97
	060070005	Chico-Salem Street				100	23	
Placer	060610006	Roseville-N Sunrise Blvd	2.2	2.32	Y	98	100	97
Sacramento	060670002	North Highlands-Blackfoot Way	3.6	3.74	Y	93	95	86
	060670006	Sacramento-Del Paso Manor	6.0	6.02	Y	95	98	97
	060670007	Sacramento-El Camino and Watt	6.6	6.96	Y	99	96	95
	060670010	Sacramento-T Street	5.9	5.94	Y	100	99	96
	060670013	Sacramento-3801 Airport Road	4.3	4.27	Y		59	97
	060675002	Sacramento-Earhart Drive				63		
Sutter	061010003	Yuba City-Almond Street	4.4	4.42	Y	96	95	97
Yolo	061130004	Davis-UCD Campus	1.4	1.44	Y	100	98	90
Salton Sea								
Imperial	060250005	Calexico-Ethel Street	14.4	15.51	Y	99	96	96
	060250006	Calexico-East	10.2	10.55	Y	99	95	97
	060251003	El Centro-9th Street				100	75	
Riverside	060655001	Palm Springs-Fire Station	1.6	1.62	Y	99	93	98

Carbon Monoxide (CO): Eight-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State 8-Hour CO Standard = 9.0 parts per million (ppm), not to be exceeded]

[For the Lake Tahoe Air Basin, 8-Hour CO Standard = 6 ppm, not to be equaled or exceeded]

Air Basin					EPDC	High-Day Coverage (%)		
County	AIRS Site #	Site Name	DV	EPDC	Valid ?	1996	1997	1998
<u>San Diego</u>								
San Diego	060730001	Chula Vista	3.0	3.21	Y	100	98	93
	060730003	El Cajon-Redwood Avenue	4.1	4.13	Y	91	94	6
	060730005	Oceanside-Mission Avenue	2.7	2.69	Y	99	95	4
	060730006	San Diego-Overland Avenue	2.6	2.74	Y	94	96	2
	060730007	San Diego-Union Street	4.8	5.23	Y	99	98	98
	060731002	Escondido-E Valley Parkway	5.3	5.60	Y	95	50	98
	060731007	San Diego-12th Avenue	4.9	5.08	Y	97	94	98
	060731009	San Diego-Logan Avenue	5.1	5.26	N			53
	060732007	Otay Mesa-Paseo International	4.2	4.31	Y	99	99	97
<u>San Francisco Bay Area</u>								
Alameda	060010003	Livermore-Old 1st Street	2.5	2.72	Y	99	99	73
	060010005	Oakland-Alice Street	4.6	4.70	Y	98	84	98
	060011001	Fremont-Chapel Way	3.1	3.28	Y	100	97	98
Contra Costa	060130002	Concord-2975 Treat Blvd	3.1	3.41	Y	100	99	98
	060130003	Richmond-13th Street				42		
	060131002	Bethel Island Road	1.4	1.43	Y	100	98	98
	060131003	San Pablo-El Portal	2.3	2.29	Y	60	99	98
	060133001	Pittsburg-10th Street	3.3	3.37	Y	100	98	98
Marin	060410001	San Rafael	2.9	3.10	Y	100	98	98
Napa	060550003	Napa-Jefferson Avenue	3.9	4.03	Y	97	98	98
San Francisco	060750003	San Francisco-Ellis Street	4.0	4.25	Y	100	97	98
	060750005	San Francisco-Arkansas Street	3.7	3.89	Y	100	99	98
San Mateo	060811001	Redwood City	4.2	4.34	Y	100	94	98
Santa Clara	060850004	San Jose-4th Street	6.3	6.51	Y	100	99	98
Solano	060950004	Vallejo-304 Tuolumne Street	5.5	5.65	Y	100	98	97
Sonoma	060970003	Santa Rosa-5th Street	3.3	3.32	Y	100	97	96
<u>San Joaquin Valley</u>								
Fresno	060190007	Fresno-Drummond Street	4.4	4.43	Y	97	97	95
	060190008	Fresno-1st Street	5.9	6.26	Y	100	98	97
	060190009	Fresno-Fisher Street	8.0	8.48	Y	93	95	93
	060190242	Fresno-Sierra Skypark #2	2.4	2.44	Y	100	99	97
	060195001	Clovis-N Villa Avenue	3.0	3.30	Y	100	97	98
Kern	060290010	Bakersfield-Golden State Highway				94	55	
	060290014	Bakersfield-5558 California Avenue	4.1	4.18	Y	96	99	97
San Joaquin	060770008	Stockton-Claremont	6.0	6.24	Y	77	94	96
	060771002	Stockton-Hazelton Street	4.5	4.92	Y	99	98	97
Stanislaus	060990005	Modesto-14th Street	6.1	6.14	Y	100	69	96
	060990006	Turlock-S Minaret Street	3.4	3.60	Y	66	99	97
	060990010	Modesto-Rover 14th Street					25	
Tulare	061072002	Visalia-N Church Street	4.1	4.08	Y	99	99	96
<u>South Central Coast</u>								
San Luis Obispo	060792002	San Luis Obispo-Marsh Street	2.6	2.68	Y	100	96	96
Santa Barbara	060830010	Santa Barbara-W Carillo Street	4.2	4.53	Y	100	95	97
	060831025	Las Flores Canyon #1	0.7	0.66	Y	99	95	86
	060832004	Lompoc-S H Street	1.6	1.62	Y	86	81	82
	060832011	Goleta-Fairview	1.7	1.66	Y	86	75	81
	060834003	Vandenberg Air Force Base-STS Power	0.6	0.59	Y	97	97	77
	060835001	Vandenberg Air Force Base-Watt Road				13		
Ventura	061112002	Simi Valley-Cochran Street	3.2	3.34	Y	94	92	78
	061113001	El Rio-Rio Mesa School #2	1.6	1.56	Y	97	92	95

Carbon Monoxide (CO): Eight-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State 8-Hour CO Standard = 9.0 parts per million (ppm), not to be exceeded]
[For the Lake Tahoe Air Basin, 8-Hour CO Standard = 6 ppm, not to be equaled or exceeded]

<u>Air Basin</u>					EPDC	<u>High-Day Coverage (%)</u>		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>
<u>South Coast</u>								
Los Angeles	060370002	Azusa	3.9	4.06	Y	95	97	98
	060370113	West Los Angeles-VA Hospital	4.2	4.32	Y	99	97	98
	060371002	Burbank-W Palm Avenue	7.3	7.67	Y	100	96	98
	060371103	Los Angeles-North Main Street	6.4	6.37	Y	100	96	98
	060371201	Reseda	7.7	8.23	Y	99	98	98
	060371301	Lynwood	13.3	13.74	Y	99	93	98
	060371601	Pico Rivera	6.1	6.38	Y	90	98	98
	060371701	Pomona	5.7	6.03	Y	99	84	98
	060372005	Pasadena-S Wilson Avenue	6.0	6.06	Y	96	97	98
	060374002	North Long Beach	6.6	6.56	Y	99	96	98
	060375001	Hawthorne	8.4	9.20	Y	94	92	98
	060376002	Santa Clarita-County Fire Station	3.6	3.82	Y	99	97	98
Orange	060590001	Anaheim-Harbor Blvd	5.7	5.70	Y	100	93	39
	060591003	Costa Mesa-Mesa Verde Drive	6.4	6.42	Y	99	93	98
	060592001	El Toro	2.7	2.93	Y	100	82	98
Riverside	060595001	La Habra	5.9	6.01	Y	100	97	98
	060651003	Riverside-Magnolia	4.6	4.72	Y	99	98	98
	060658001	Riverside-Rubidoux	4.4	4.50	Y	71	85	98
San Bernardino	060710217	Mount Baldy, Mount Baldy Road				10		
	060719004	San Bernardino-4th Street	4.7	4.94	Y	92	94	98

Nitrogen Dioxide: One-Hour Average
 Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
 Based on 1997 through 1999 Data
 [State Nitrogen Dioxide Standard = 0.25 parts per million (ppm), not to be exceeded]

<u>Air Basin</u> <u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>EPDC Valid ?</u>	<u>High-Day Coverage (%)</u>		
						<u>1996</u>	<u>1997</u>	<u>1998</u>
<u>Lake Tahoe</u>								
El Dorado	060170011	South Lake Tahoe-Sandy Way	0.06	0.057	Y	100	100	100
<u>Mojave Desert</u>								
Kern	060290011	Mojave-923 Poole Street	0.06	0.069	Y	93	91	36
Los Angeles	060379002	Lancaster-W Pondera Street	0.07	0.070	Y	89	93	92
San Bernardino	060710001	Barstow	0.11	0.105	Y	79	91	92
	060710012	Phelan-Beekeley Road & Phelan Road				94	6	
	060710014	Victorville-Armagosa Road	0.09	0.094	Y	92	96	96
	060710015	Trona-Athol				14		
	060710017	Twentynine Palms-Adobe Road #2	0.04	0.043	Y	99	32	
	060711234	Trona-Athol and Telegraph	0.06	0.056	Y	78	93	100
	060714001	Hesperia-Olive Street	0.08	0.080	Y	100	10	
<u>North Central Coast</u>								
Monterey	060531002	Salinas-Natividad Road #2	0.05	0.054	Y	91	90	80
Santa Cruz	060870003	Davenport	0.04	0.035	Y	90	90	97
<u>North Coast</u>								
Mendocino	060450008	Ukiah-E Gobbi Street	0.05	0.054	Y	99	97	99
	060450009	Willits-899 S Main Street	0.05	0.046	Y	89	95	100
<u>Sacramento Valley</u>								
Butte	060070002	Chico-Manzanita Avenue	0.07	0.074	Y	97	97	99
Placer	060610006	Roseville-N Sunrise Blvd	0.09	0.092	Y	99	99	99
Sacramento	060670002	North Highlands-Blackfoot Way	0.08	0.078	Y	94	96	98
	060670006	Sacramento-Del Paso Manor	0.08	0.085	Y	92	84	97
	060670010	Sacramento-T Street	0.09	0.090	Y	98	99	99
	060670011	Elk Grove-Bruceville Road	0.07	0.069	Y	97	92	100
	060670012	Folsom-Natoma Street	0.06	0.058	Y	95	96	92
	060670013	Sacramento-3801 Airport Road	0.11	0.107	Y		20	96
	060675002	Sacramento-Earhart Drive				66		
Sutter	061010003	Yuba City-Almond Street	0.08	0.081	Y	98	92	98
Yolo	061130004	Davis-UCD Campus	0.07	0.069	Y	99	98	99
<u>Salton Sea</u>								
Imperial	060250005	Calexico-Ethel Street	0.13	0.145	N	74	74	98
	060250006	Calexico-East	0.10	0.097	Y	95	91	98
Riverside	060655001	Palm Springs-Fire Station	0.07	0.075	Y	78	96	100
<u>San Diego</u>								
San Diego	060730001	Chula Vista	0.10	0.097	Y	97	97	95
	060730003	El Cajon-Redwood Avenue	0.09	0.094	Y	97	98	98
	060730005	Oceanside-Mission Avenue	0.11	0.112	Y	99	89	91
	060730006	San Diego-Overland Avenue	0.10	0.098	Y	94	96	92
	060731002	Escondido-E Valley Parkway	0.10	0.102	Y	98	66	96
	060731006	Alpine-Victoria Drive	0.08	0.076	Y	61	96	95
	060731007	San Diego-12th Avenue	0.12	0.122	Y	98	93	95
	060731008	Camp Pendleton	0.09	0.105	Y	63	94	98
	060731009	San Diego-Logan Avenue	0.12		N			40
	060732007	Otay Mesa-Paseo International	0.11	0.118	Y	92	96	94

Nitrogen Dioxide: One-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State Nitrogen Dioxide Standard = 0.25 parts per million (ppm), not to be exceeded]

<u>Air Basin</u>					<u>EPDC</u>	<u>High-Day Coverage (%)</u>		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>
<u>San Francisco Bay Area</u>								
Alameda	060010003	Livermore-Old 1st Street	0.08	0.083	Y	99	97	95
	060011001	Fremont-Chapel Way	0.09	0.094	Y	99	96	98
Contra Costa	060130002	Concord-2975 Treat Blvd	0.08	0.075	Y	99	99	98
	060130003	Richmond-13th Street				39		
	060131002	Bethel Island Road	0.05	0.050	Y	100	99	99
	060131003	San Pablo-El Portal	0.06	0.062	Y	67	99	98
	060133001	Pittsburg-10th Street	0.07	0.073	Y	99	99	97
Marin	060410001	San Rafael	0.07	0.068	Y	97	97	98
Napa	060550003	Napa-Jefferson Avenue	0.07	0.066	Y	98	97	98
San Francisco	060750005	San Francisco-Arkansas Street	0.08	0.083	Y	96	99	97
San Mateo	060811001	Redwood City	0.08	0.080	Y	95	97	98
Santa Clara	060850004	San Jose-4th Street	0.11	0.108	Y	96	92	97
Solano	060950004	Vallejo-304 Tuolumne Street	0.07	0.068	Y	97	97	97
Sonoma	060970003	Santa Rosa-5th Street	0.06	0.062	Y	98	94	98
<u>San Joaquin Valley</u>								
Fresno	060190007	Fresno-Drummond Street	0.10	0.103	Y	96	96	99
	060190008	Fresno-1st Street	0.11	0.107	Y	98	100	98
	060190242	Fresno-Sierra Skypark #2	0.08	0.084	Y	97	98	97
	060194001	Parlier	0.07	0.073	Y	98	98	100
	060195001	Clovis-N Villa Avenue	0.10	0.101	Y	94	98	99
Kern	060290007	Edison	0.06	0.064	Y	96	97	97
	060290010	Bakersfield-Golden State Highway				99	88	
	060290014	Bakersfield-5558 California Avenue	0.10	0.098	Y	95	96	95
	060290232	Oildale-3311 Manor Street	0.07	0.074	Y	89	95	95
	060295001	Arvin-Bear Mountain Blvd	0.05	0.053	Y	99	98	96
	060296001	Shafter-Walker Street	0.07	0.073	Y	96	95	96
Kings	060311004	Hanford-S Irwin Street	0.08	0.084	Y	98	96	86
Madera	060390004	Madera-Pump Yard	0.07	0.068	Y	51	99	98
Merced	060470003	Merced-S Coffee Avenue	0.08	0.076	Y	97	97	98
San Joaquin	060771002	Stockton-Hazelton Street	0.10	0.103	Y	95	97	86
	060773003	Tracy-24371 Patterson Pass Road	0.07	0.074	Y	99	97	100
Stanislaus	060990005	Modesto-14th Street	0.10	0.103	Y	95	75	98
	060990006	Turlock-S Minaret Street	0.09	0.087	Y	78	99	98
	060990010	Modesto-Rover 14th Street					16	
Tulare	061072002	Visalia-N Church Street	0.10	0.100	Y	96	97	99

Nitrogen Dioxide: One-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State Nitrogen Dioxide Standard = 0.25 parts per million (ppm), not to be exceeded]

<u>Air Basin</u> <u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>EPDC</u> <u>Valid ?</u>	<u>High-Day Coverage (%)</u>		
						<u>1996</u>	<u>1997</u>	<u>1998</u>
<u>South Central Coast</u>								
San Luis Obispo	060792001	Grover City-Lesage Drive	0.05	0.053	Y	99	87	94
	060792002	San Luis Obispo-Marsh Street	0.07	0.065	Y	91	99	99
Santa Barbara	060794002	Nipomo-Regional Park	0.06	0.059	Y		32	92
	060798001	Atascadero-Lewis Avenue	0.07	0.073	Y	98	100	99
	060830008	El Capitan Beach	0.05	0.050	Y	98	88	98
	060830010	Santa Barbara-W Carillo Street	0.08	0.078	Y	98	99	100
	060831007	Santa Maria-Broadway	0.06	0.057	Y	99	97	96
	060831012	Point Conception-Lighthouse				79	38	
	060831013	Lompoc-HS&P	0.02	0.020	Y	100	95	97
	060831014	Paradise Road-Los Padres National Forest	0.02	0.020	Y	99	97	98
	060831015	Gaviota-West				88	22	
	060831016	Gaviota-East				89	23	
	060831018	Gaviota-GTC Site B	0.04	0.043	Y	98	96	96
	060831019	Gaviota-GTC Site C				94	28	
	060831020	Exxon Site 10-UCSB West Campus				93	30	
	060831021	Carpinteria-Gobernador Road	0.04	0.044	Y	94	97	94
	060831025	Las Flores Canyon #1	0.03	0.032	Y	89	86	93
	060831026	Las Flores Canyon #2	0.03	0.034	Y	93	95	17
	060831027	Las Flores Canyon #3	0.03	0.033	Y	93	93	15
Ventura	060832004	Lompoc-S H Street	0.04	0.044	Y	95	98	98
	060832011	Goleta-Fairview	0.06	0.059	Y	98	98	99
	060834003	Vandenberg Air Force Base-STs Power	0.02	0.022	Y	98	93	98
	060835001	Vandenberg Air Force Base-Watt Road				28		
	061110005	Ventura County-W Casitas Pass Road	0.04	0.044	Y	99	98	89
	061110007	Thousand Oaks-Moorpark Road	0.08	0.076	Y	99	98	100
	061111004	Ojai-Ojai Avenue	0.04	0.045	Y	99	98	100
	061112002	Simi Valley-Cochran Street	0.09	0.089	Y	100	100	79
	061112003	Ventura-Emma Wood State Beach	0.06	0.058	Y	99	98	84
	061113001	El Rio-Rio Mesa School #2	0.07	0.069	Y	95	99	100
<u>South Coast</u>								
Los Angeles	060370002	Azusa	0.15	0.147	Y	98	97	100
	060370016	Glendora-Laurel	0.14	0.143	Y	98	99	100
	060370113	West Los Angeles-VA Hospital	0.13	0.128	Y	97	99	100
	060371002	Burbank-W Palm Avenue	0.17	0.166	Y	92	99	99
	060371103	Los Angeles-North Main Street	0.18	0.180	Y	87	98	100
	060371201	Reseda	0.11	0.115	Y	98	97	100
	060371301	Lynwood	0.16	0.158	Y	93	95	100
	060371601	Pico Rivera	0.15	0.149	Y	94	92	99
	060371701	Pomona	0.16	0.157	Y	99	99	100
	060372005	Pasadena-S Wilson Avenue	0.17	0.168	Y	97	99	100
	060374002	North Long Beach	0.16	0.165	Y	99	94	100
	060375001	Hawthorne	0.15	0.150	Y	98	90	100
	060376002	Santa Clarita-County Fire Station	0.10	0.100	N			58
Orange	060590001	Anaheim-Harbor Blvd	0.13	0.133	Y	97	95	37
	060591003	Costa Mesa-Mesa Verde Drive	0.11	0.115	Y	97	94	95
	060595001	La Habra	0.14	0.143	Y	98	98	100
Riverside	060650012	Banning Airport	0.18	0.185	Y	77	97	100
	060658001	Riverside-Rubidoux	0.12	0.117	Y	91	91	100
	060659001	Lake Elsinore-W Flint Street	0.09	0.094	Y	90	97	100
San Bernardino	060711004	Upland	0.14	0.139	Y	89	93	100
	060712002	Fontana-Arrow Highway	0.14	0.139	Y	95	99	100
	060719004	San Bernardino-4th Street	0.13	0.127	Y	98	97	100

Particulate Matter (PM10): 24-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State PM10 Standard = 50 micrograms per cubic meter (ug/m3), not to be exceeded]

<u>Air Basin</u>					EPDC	<u>High-Day Coverage (%)</u>		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>Great Basin Valleys</u>								
Inyo	060270004	Lone Pine-E Locust Street	171	194.8	Y	96	87	97
	060270017	Bishop-351 N Main Street				12		
	060270021	Olancho-Walker Creek Road	56	97.2	Y	89	100	98
	060270022	Dirty Sox	2182	1127.7	N			59
	060271001	Coso Junction-Highway 395 Rest Area	92	134.0	Y	95	95	100
	060271003	Keeler-Cerro Gordo Road	1116	856.0	N	37	95	60
	060271014	Coso Junction-10 miles E				95	95	
Mono	060510001	Mammoth Lakes-Gateway HC				97	48	
	060510005	Lee Vining-SMS	40	42.1	Y	97	84	99
	060510007	Mono Lake-Simis Residence	45	62.7	Y	99	92	93
<u>Lake County</u>								
Lake	060333001	Lakeport-Lakeport Blvd	43	47.5	Y	95	90	93
<u>Lake Tahoe</u>								
El Dorado	060170011	South Lake Tahoe-Sandy Way	59	66.7	Y	90	92	94
<u>Mojave Desert</u>								
Kern	060290011	Mojave-923 Poole Street	45	61.1	Y	92	96	90
	060291001	China Lake-Powerline Road	165	103.3	N	65	53	79
Los Angeles	060379002	Lancaster-W Pondera Street	58	74.7	Y	94	85	95
San Bernardino	060710001	Barstow	58	66.1	Y	84	80	87
	060710013	Lucerne Valley-Middle School	47	61.1	Y	88	90	93
	060710014	Victorville-Armagosa Road	70	72.5	Y	77	93	96
	060710015	Trona-Athol				11		
	060710017	Twentynine Palms-Adobe Road #2	61	67.6	Y	85	96	93
	060711234	Trona-Athol and Telegraph	69	79.0	Y	81	86	91
	060714001	Hesperia-Olive Street	70	86.2	Y	94	93	98
<u>Mountain Counties</u>								
Amador	060050010	Jackson-Buena Vista Road				9		
	060050011	Buena Vista-5730 Buena Vista Road				8		
Calaveras	060090001	San Andreas-Gold Strike Road	65	69.4	Y	92	90	95
El Dorado	060170010	Placerville-Gold Nugget Way	49	55.9	Y	99	100	89
Mariposa	060431001	Yosemite Village-Visitor Center	62	70.8	Y	84	83	84
Nevada	060570001	Grass Valley-Henderson Street	43	41.6	N	97	99	31
	060570004	Truckee-Glenshire Fire Station	92	102.2	N	97	50	91
	060571001	Truckee-Fire Station	136	129.8	N	88	96	65
Placer	060610004	Colfax-City Hall				91		
Plumas	060631006	Quincy-N Church Street	96	115.3	Y	92	100	98
	060631007	Chester-222 1st Avenue	70	90.6	N	66	94	100
Sierra	060910001	Loyalton-W 3rd Street	93	102.0	Y	83	86	96
<u>North Central Coast</u>								
Monterey	060530002	Carmel Valley-Ford Road	39	47.6	Y	99	97	98
	060530005	King City-750 Metz Road	65	60.4	N	91	64	98
	060530007	Moss Landing - Sandholt Road	76	87.2	Y	92	92	100
	060531002	Salinas-Natividad Road #2	59	62.6	Y	97	98	100
San Benito	060690002	Hollister-Fairview Road	50	59.9	Y	100	95	96
Santa Cruz	060870003	Davenport	103	109.2	Y	100	99	98
	060870004	Watsonville-Airport Boulevard	49	56.5	Y	97	98	100
	060870007	Santa Cruz-2544 Soquel Avenue	47	48.6	Y	100	97	100

Particulate Matter (PM10): 24-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State PM10 Standard = 50 micrograms per cubic meter (ug/m3), not to be exceeded]

<u>Air Basin</u>					EPDC	High-Day Coverage (%)		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>North Coast</u>								
Del Norte	060150004	Crescent City-9th and H Street				93	23	
	060150006	Crescent City, 880 Northcrest Drive	39	47.2	N		75	88
Humboldt	060231002	Eureka-Health Dept 6th and I Street	57	61.6	Y	95	89	94
Mendocino	060450002	Fort Bragg-N Franklin Street	66	68.7	Y	93	98	91
	060450006	Ukiah-County Library	51	54.6	Y	92	93	92
Sonoma	060452001	Willits-Firehouse	62	64.8	Y	98	98	90
	060970001	Cloverdale	42	50.4	Y	83	100	87
	060970002	Healdsburg-133 Matheson Street	69	67.0	N	73	98	99
	060973002	Guerneville-Church and 1st	53	56.5	Y	98	96	95
Trinity	061050002	Weaverville-Courthouse	78	86.4	Y	94	85	86
<u>Northeast Plateau</u>								
Lassen	060351001	Susanville-Russel	100	119.0	N	48	32	78
Modoc	060490001	Alturas-W 4th Street	97	101.5	N	68	67	98
Siskiyou	060930004	Mt Shasta-N Old Stage Road	47	53.4	Y	91	93	98
	060930005	Lava Beds Natl Monument	31	37.7	Y	83	87	81
	060932001	Yreka-Foothill Drive	66	51.4	N	69	92	100
<u>Sacramento Valley</u>								
Butte	060070002	Chico-Manzanita Avenue	108	108.5	Y	100	99	100
Colusa	060111002	Colusa-Sunrise Blvd	89	118.6	Y	97	97	88
Glenn	060210002	Willows-E Laurel Street	88	98.7	Y	98	95	98
Placer	060610002	Auburn-Dewitt-C Avenue				70		
	060610006	Roseville-N Sunrise Blvd	83	86.4	Y	98	100	100
Sacramento	060612001	Lincoln-L Street				85		
	060613001	Rocklin-Rocklin Road	75	79.4	Y	95	95	100
	060670002	North Highlands-Blackfoot Way	73	76.5	Y	89	97	93
	060670006	Sacramento-Del Paso Manor	104	122.6	Y	80	90	86
	060670010	Sacramento-T Street	108	115.6	Y	100	100	100
	060670013	Sacramento-3801 Airport Road	93	98.0	N		73	87
	060670283	Sacramento-Branch Center Road	86	103.7	N	69	94	94
	060674001	Sacramento-Health Dept Stockton Blvd	88	99.1	Y	96	98	83
	060675002	Sacramento-Earhart Drive				63		
	060890004	Redding-Health Dept Roof	77	81.6	Y	88	99	89
Shasta	060890007	Anderson-North Street	81	72.7	N	96	98	35
	060953001	Vacaville-Merchant Street	74	80.3	Y	95	92	98
Sutter	061010003	Yuba City-Almond Street	106	130.7	Y	98	99	92
Tehama	061030002	Red Bluff-Riverside Drive	98	112.8	Y	91	77	76
Yolo	061130005	Woodland-Sutter Street	130	119.2	N	93	100	3
	061131003	Woodland-Gibson Road	179	206.4	N		25	97
	061132001	West Sacramento-15th Street	109	122.7	Y	94	95	99
<u>Salton Sea</u>								
Imperial	060250003	Brawley-Main Street	97	183.1	Y	94	91	92
	060250004	Calexico-Grant Street	227	231.0	Y	84	92	97
	060250005	Calexico-Ethel Street	181	210.2	Y	100	100	94
	060250006	Calexico-East	568	709.7	Y	98	95	94
	060251003	El Centro-9th Street	104	115.7	Y	96	92	93
	060254002	Winterhaven-2nd Avenue				94	7	
	060254003	Westmorland-W 1st Street	130	156.3	Y	94	99	100
	060254004	Niland-English Road	191	126.5	N	58	84	99
Riverside	060652002	Indio-Jackson Street	158	174.3	Y	90	100	86
	060655001	Palm Springs-Fire Station	72	82.6	Y	92	95	94

Particulate Matter (PM₁₀): 24-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State PM₁₀ Standard = 50 micrograms per cubic meter (ug/m³), not to be exceeded]

Air Basin					EPDC	High-Day Coverage (%)		
County	AIRS Site #	Site Name	DV	EPDC	Valid ?	1997	1998	1999
San Diego								
San Diego	060730001	Chula Vista	59	64.2	Y	97	96	86
	060730003	El Cajon-Redwood Avenue	60	68.0	Y	91	93	98
	060730005	Oceanside-Mission Avenue				92	75	
	060730006	San Diego-Overland Avenue	56	58.6	Y	94	90	89
	060731002	Escondido-E Valley Parkway	63	64.6	N	97	61	94
	060731007	San Diego-12th Avenue	74	75.8	Y	94	91	96
	060731009	San Diego-Logan Avenue						30
	060732007	Otay Mesa-Paseo International	125	135.4	Y	100	96	92
San Francisco Bay Area								
Alameda	060010003	Livermore-Old 1st Street	65	82.8	Y	100	100	100
	060010006	San Leandro-County Hospital				100	41	
	060010007	Livermore-793 Rincon Avenue						7
	060011001	Fremont-Chapel Way	63	72.9	Y	100	100	100
Contra Costa	060130002	Concord-2975 Treat Blvd	76	83.8	Y	99	100	100
	060130003	Richmond-13th Street				32		
	060131002	Bethel Island Road	101	107.6	Y	100	100	98
	060131003	San Pablo-El Portal				67	35	
	060133001	Pittsburg-10th Street						62
Marin	060410001	San Rafael	76	76.8	Y	95	100	100
Napa	060550003	Napa-Jefferson Avenue	78	78.0	Y	92	96	97
San Francisco	060750005	San Francisco-Arkansas Street	81	91.3	Y	100	97	100
San Mateo	060811001	Redwood City	70	82.0	Y	95	100	98
Santa Clara	060850004	San Jose-4th Street	92	102.4	Y	100	96	100
	060852003	San Jose-Tully Road	97	111.1	Y	96	100	90
	060852005	San Jose-935 Piedmont Road				95	32	
	060853001	San Jose-Moorpark Avenue				96	38	
Solano	060950004	Vallejo-304 Tuolumne Street	85	88.5	Y	99	100	94
Sonoma	060970003	Santa Rosa-5th Street	55	68.5	Y	99	94	94
San Joaquin Valley								
Fresno	060190007	Fresno-Drummond Street	162	169.8	Y	100	93	98
	060190008	Fresno-1st Street	154	175.5	Y	97	97	100
	060195001	Clovis-N Villa Avenue	113	143.9	Y	97	93	95
Kern	060290010	Bakersfield-Golden State Highway	183	196.6	Y	91	81	100
	060290014	Bakersfield-5558 California Avenue	148	162.6	Y	100	99	99
	060290232	Oildale-3311 Manor Street	156	163.3	Y	93	93	90
	060292004	Taft College	101	103.5	Y	94	95	92
Kings	060310003	Corcoran-Van Dorsten Avenue				92	35	
	060310004	Corcoran-Patterson Avenue	199	218.3	Y	97	97	100
	060311004	Hanford-S Irwin Street	146	192.9	Y	96	83	83
Merced	060472510	Merced-2334 M Street						75
San Joaquin	060771002	Stockton-Hazelton Street	150	155.7	Y	96	91	100
	060773010	Stockton-Wagner-Holt School	130	133.4	N	92	94	52
Stanislaus	060990002	Modesto-I Street				100	24	
	060990005	Modesto-14th Street	132	168.3	N		69	100
	060990006	Turlock-S Minaret Street	157	165.5	Y	97	100	78
Tulare	061072002	Visalia-N Church Street	160	179.5	Y	100	99	100

Particulate Matter (PM10): 24-Hour Average
Designation Values (DV) and Expected Peak Day Concentrations (EPDC)
Based on 1997 through 1999 Data
[State PM10 Standard = 50 micrograms per cubic meter (ug/m3), not to be exceeded]

<u>Air Basin</u>					EPDC	High-Day Coverage (%)		
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
<u>South Central Coast</u>								
San Luis Obispo	060790005	Paso Robles-Santa Fe Avenue	57	65.6	Y	94	95	94
	060791005	Arroyo Grande-Ralco Way	99	109.7	N	62	76	95
	060792002	San Luis Obispo-Marsh Street	42	49.6	Y	93	96	92
	060792004	Nipomo-Guadalupe Road	72	87.8	Y	95	100	100
	060793001	Morro Bay	39	53.2	Y	94	83	93
Santa Barbara	060794002	Nipomo-Regional Park	41	47.0	N		18	92
	060798001	Atascadero-Lewis Avenue	47	58.2	Y	94	89	94
	060830008	El Capitan Beach	51	68.8	Y	96	94	100
	060830010	Santa Barbara-W Carillo Street	62	62.6	Y	98	94	98
	060831008	Santa Maria-906 S Broadway						75
	060831012	Point Conception-Lighthouse				90	10	
	060831015	Gaviota-West				97	2	
	060831016	Gaviota-East				100	5	
	060831019	Gaviota-GTC Site C				100	12	
	060831020	Exxon Site 10-UCSB West Campus				97	26	
	060831025	Las Flores Canyon #1	44	46.6	Y	97	99	97
	060831026	Las Flores Canyon #2	43	42.3	N	98	100	0
	060832004	Lompoc-S H Street	45	62.3	Y	100	100	100
	060834001	Santa Maria-Library	73	74.6	N	93	97	100
	060834003	Vandenberg Air Force Base-STS Power	49	55.3	Y	98	100	100
Ventura	060835001	Vandenberg Air Force Base-Watt Road				6		
	061110004	Piru-2 miles SW	140	156.9	Y	99	96	98
	061110007	Thousand Oaks-Moorpark Road	62	71.7	Y	100	91	96
	061111004	Ojai-Ojai Avenue	54	72.8	Y	98	97	98
	061112002	Simi Valley-Cochran Street	67	69.7	Y	92	98	94
	061113001	El Rio-Rio Mesa School #2	70	118.3	Y	98	97	95
<u>South Coast</u>								
Los Angeles	060370002	Azusa	116	116.4	Y	98	93	100
	060371002	Burbank-W Palm Avenue	92	99.2	Y	85	92	100
	060371103	Los Angeles-North Main Street	88	101.2	Y	98	92	100
	060374002	North Long Beach	87	87.1	Y	90	92	99
	060375001	Hawthorne	79	80.6	Y	84	95	98
Orange	060376002	Santa Clarita-County Fire Station	75	80.6	Y	97	91	93
	060590001	Anaheim-Harbor Blvd	122	126.9	Y	98	100	77
	060592001	El Toro	86	91.6	Y	88	94	100
Riverside	060592022	Mission Viejo-26081 Via Pera						68
	060650002	Banning-Allesandro	227	121.9	N	93	85	1
	060650003	Norco-Norconian	136	151.0	Y	96	96	96
	060650012	Banning Airport	86	81.9	N		83	66
	060656001	Perris	139	141.5	Y	98	85	100
San Bernardino	060658001	Riverside-Rubidoux	153	156.3	Y	95	91	100
	060710005	Crestline	47	50.7	Y	94	92	94
	060710025	Ontario-1408 Francis Street	183	183.7	N		3	90
	060712002	Fontana-Arrow Highway	122	132.7	Y	100	97	99
	060714003	Redlands-Dearborn	103	113.2	Y	98	91	96
	060716001	Ontario-Airport	133	152.2	Y	98	94	95
	060719004	San Bernardino-4th Street	134	135.7	Y	99	96	96

Hydrogen Sulfide: One-Hour Average

Designation Values (DV) and Expected Peak Day Concentrations (EPDC)

Based on 1997 through 1999 Data

[State Hydrogen Sulfide Standard = 0.03 parts per million (ppm), not to be equaled or exceeded]

<u>Air Basin</u>									
<u>County</u>	<u>AIRS Site #</u>	<u>Site Name</u>	<u>DV</u>	<u>EPDC</u>	<u>Valid ?</u>	<u>High-Day Coverage (%)</u>			
						<u>1997</u>	<u>1998</u>	<u>1999</u>	
<u>Great Basin Valleys</u>									
Inyo	060270020	Coso Gate	0.01	0.012	Y	95	81	95	
	060271001	Coso Junction-Highway 395 Rest Area	0.01	0.006	Y	94	96	93	
<u>Lake County</u>									
Lake	060333010	Anderson Springs	0.01	0.010	Y	85	86	90	
	060333011	Glenbrook-High Valley Road	0.01	0.008	Y	87	88	90	
	060333012	Hobergs-Pine Summit	0.01	0.011	Y	86	86	92	
<u>Mojave Desert</u>									
San Bernardino	060711234	Trona-Athol and Telegraph	0.12	0.120	Y	78	88	97	
<u>South Central Coast</u>									
Santa Barbara	060830008	El Capitan Beach	0.00	0.004	Y	97	95	37	
	060831020	Exxon Site 10-UCSB West Campus	0.01	0.007	Y	91	52	37	
	060831022	Lompoc-Odor	0.02	0.020	Y	77	89	91	
	060831023	Gaviota-Odor West	0.00	0.003	Y	84	95	93	
	060831024	Gaviota-Odor East	0.00	0.005	Y	83	93	96	
	060831037	Las Flores Canyon-Odor	0.00	0.002	N			67	
	060831038	Capitan-POPCO South	0.01	0.005	Y	90	94	23	
	060831039	Capitan-POPCO North	0.01	0.006	Y	89	94	12	

[This page intentionally left blank]

ATTACHMENT F

NOTICES

[This page intentionally left blank]



Winston H. Hickox
Agency Secretary

Air Resources Board

741

Alan C. Lloyd, Ph.D.
Chairman

2020 L Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



Gray Davis
Governor

April 3, 2000

To: Air Pollution Control Officers/Executive Officers

The California Clean Air Act (Act) of 1988, Health and Safety Code section 39608, requires the Air Resources Board (Board) to identify and classify each area of the State as attainment, nonattainment, or unclassified for the State ambient air quality standards, and review and update the area designations annually. The Board will review this year's staff proposal at a public hearing in November 2000.

The designation criteria provide that any request for a change in designation or any submittal of information for consideration in the annual review should be supplied to the Board's staff in writing by May 1 of each year. For the Board to redesignate an area as nonattainment-transitional for a pollutant other than ozone, the district must request such action by May 1 of each year (California Code of Regulations, section 70303 (c)). A district requesting redesignation to nonattainment-transitional needs to provide information demonstrating that: (1) the State standard is expected to be attained throughout the area within three years; and (2) the standard was not violated on more than two days at any monitoring site in the area during 1999.

For the Board to redesignate an area as nonattainment-transitional for ozone, the district need not make any request. Qualifying areas are redesignated as nonattainment-transitional for ozone by operation of law and confirmed by the Board's staff at the public hearing, in accordance with California Code of Regulations, section 70303.5.

Please send any written requests for redesignations and any supporting documentation to me at the address stated above. If you have any questions regarding area designations, please contact Debora Popejoy at (916) 323-5123, or dpopejoy@arb.ca.gov.

Sincerely,

Robert D. Fletcher, Chief
Planning and Technical Support Division

cc: Debora Popejoy, Manager
Air Quality Analysis Section

California Environmental Protection Agency

[This page intentionally left blank]



Winston H. Hickox
Agency Secretary

Air Resources Board

743

Alan C. Lloyd, Ph.D.
Chairman

2020 L Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



Gray Davis
Governor

August 1, 2000

Dear Sir/Madam:

**Public Consultation Meeting to Discuss Proposed Amendments to the
Area Designations for State Ambient Air Quality Standards
Required by Health and Safety Code Sections 39607(e) and 39608**

The California Air Resources Board (ARB or Board) staff is holding a public consultation meeting to obtain and discuss comments relating to proposed amendments to the area designation regulations for the State ambient air quality standards (State standards). The public consultation meeting will be held at the time and location shown below:

DATE: Monday, August 21, 2000
TIME: 10:00 a.m.
LOCATION: Third Floor Conference Room
California Air Resources Board
2020 "L" Street
Sacramento, California

The Health and Safety Code (H&SC) section 39607(e) requires the Board to establish and periodically review area designation criteria. These designation criteria provide the basis for the Board to designate areas as attainment, nonattainment, or unclassified for the State standards. The staff is not proposing any changes to the designation criteria this year.

In addition, H&SC section 39608 requires the Board to establish and annually review the area designations. The Board makes area designations for nine pollutants: ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, suspended particulate matter (PM₁₀), sulfates, lead, hydrogen sulfide, and visibility reducing particles. Based on the most recently available three years of air quality data (data collected during 1997 through 1999), the staff plans to propose to the Board several amendments to the area designations.

California Environmental Protection Agency

Dear Sir/Madam:

Page 2

The staff proposes to redesignate the Butte, Glenn, and Mono County Air Pollution Control Districts (APCDs) from nonattainment-transitional to nonattainment for ozone. In addition, the staff proposes to redesignate the Antelope Valley, Santa Barbara County, and San Luis Obispo County APCDs from nonattainment to nonattainment-transitional for ozone. (If, however, any data for the current year show more than three exceedances at any monitoring location in the aforementioned areas, then the staff will withdraw the proposal to redesignate to nonattainment-transitional for that area.)

At the public consultation meeting, the ARB staff will present an overview of the proposed amendments to the area designations and also the rationale for each proposed amendment. There are also several areas of the State where the air quality appears to qualify it for attainment designation, but the data are either incomplete, the site(s) in the area do not meet the criteria for measuring the highest concentration, or the size of the designation area for that particular pollutant is made on a larger scale. In addition, there are areas that have one or more exceedances that would signal a nonattainment designation. The exceedance(s), however, are excluded as affected by a highly irregular or infrequent event. The staff will discuss these areas for which redesignation is not recommended.

The proposed changes to the area designations and the areas for which redesignation is not recommended are summarized in Attachment 1. A brief discussion of the reasons for the proposed redesignations is provided in Attachment 2. An agenda for the meeting is provided in Attachment 3.

If you have any questions about the public consultation meeting or the proposed amendments to the regulations, please contact Ms. Debora Popejoy, Manager of the Air Quality Analysis Section, at (916) 323-5123, or dpopejoy@arb.ca.gov. For further information, visit our web site at <http://www.arb.ca.gov/desig/desig.htm>.

Sincerely,

Robert D. Fletcher, Chief
Planning and Technical Support Division

cc: Debora Popejoy, Manager
Air Quality Analysis Section

ATTACHMENT 1

**2000 AREA DESIGNATIONS
FOR STATE AMBIENT AIR QUALITY STANDARDS**

PROPOSED CHANGES			
Pollutant	Area	Designation Status	
		Current	Proposed
Ozone	Antelope Valley APCD	N	N-T
	Butte County APCD	N-T	N
	Glenn County APCD	N-T	N
	Mono County APCD	N-T	N
	Santa Barbara County APCD	N	N-T
	San Luis Obispo County APCD	N	N-T
AREAS NOT RECOMMENDED FOR REDESIGNATION			
Pollutant	Area	Current Designation Status	
		Current	
Ozone	Colusa County APCD	N-T	
	Inyo County	U	
	North Central Coast Air Basin	N	
PM₁₀	El Dorado County (Mountain Counties Air Basin portion)	N	
Nitrogen Dioxide	City of Calexico	A	
Hydrogen Sulfide	Inyo County	A	
Sulfates	Los Angeles County (South Coast Air Basin portion)	A	
	San Diego Air Basin	A	

***Designation Status:**

A = Attainment

N = Nonattainment

N-T = Nonattainment-Transitional

U = Unclassified

ATTACHMENT 2 REASONS FOR PROPOSED REDESIGNATIONS

Ozone: Nonattainment to Nonattainment-Transitional

Nonattainment-transitional is a subcategory of nonattainment which indicates that an area is getting close to attainment. Nonattainment-transitional designations occur by operation of law. Health and Safety Code section 40925.5 requires districts with 3 or fewer exceedances of the State ozone standard during a single calendar year to be designated as nonattainment-transitional. Unlike other designation categories, the nonattainment-transitional designation does not allow excluding exceedances that are affected by highly irregular or infrequent events.

The Antelope Valley, Santa Barbara County, and the San Luis Obispo County Air Pollution Control Districts (APCDs) are being proposed to be redesignated to nonattainment-transitional by operation of law. All three districts had 3 or fewer exceedances of the State ozone standard in 1999.

Ozone: Nonattainment-Transitional to Nonattainment

The redesignations of the Butte and Glenn County APCDs also occur by operation of law. As stated above, Health and Safety Code section 40925.5 requires areas with 3 or fewer exceedances of the State ozone standard during a single calendar year to be designated as nonattainment-transitional. When an area no longer meets that criteria, it reverts back to nonattainment. Both Butte and Glenn County had more than 3 exceedances in 1999 and, hence, revert back to nonattainment. The Districts believe that these exceedances are due to exceptional events (i.e. wildfires) and transport. Although these types of events are not excluded from the designation of nonattainment-transitional, they are considered when evaluating a district's plan. The ARB staff believes that no new control measures will be required as a result of this redesignation.

The redesignation of Mono County from nonattainment-transitional to nonattainment is being proposed because the ozone monitor in Mammoth Lakes has been shut down and therefore the nonattainment-transitional designation can no longer be documented. Until such time a monitor is relocated, the County will remain nonattainment.

ATTACHMENT 3

AGENDA FOR PUBLIC CONSULTATION MEETING

August 21, 2000
10:00 a.m.
Third Floor Conference Room
California Air Resources Board
2020 "L" Street
Sacramento, California 95814

AGENDA

I. STAFF PRESENTATION

- A. Introduction
- B. Proposed Amendments to the Area Designations*
 - 1. Ozone (N-T → N): Butte County, Glenn County, and Mono County APCD
 - (N → N-T): Antelope Valley, Santa Barbara County, and San Luis Obispo County APCD
- C. Areas Not Recommended for Redesignation
 - 1. Ozone: Colusa County, Inyo County, and North Central Coast Air Basin
 - 2. PM₁₀: El Dorado County (Mountain Counties Air Basin portion)
 - 3. Nitrogen Dioxide: City of Calexico in Imperial County
 - 4. Hydrogen Sulfide: Inyo County
 - 5. Sulfates: San Diego and Los Angeles County (South Coast Air Basin portion)

II. GENERAL DISCUSSION

- A. Discussion of Proposed Amendments
- B. Additional Related Issues

*Designation Status:

A = Attainment

N = Nonattainment

N-T = Nonattainment-Transitional

